

ANNEX A: Test Result

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (X axis) and the loop antenna is coplanar, the others are vertical and horizontal. and the worst case was recorded.

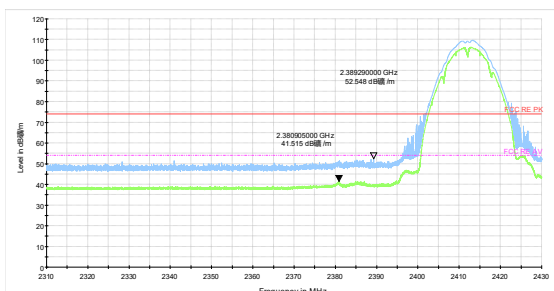
1. Unwanted Emission

1.1. Wi-Fi 2.4GHz

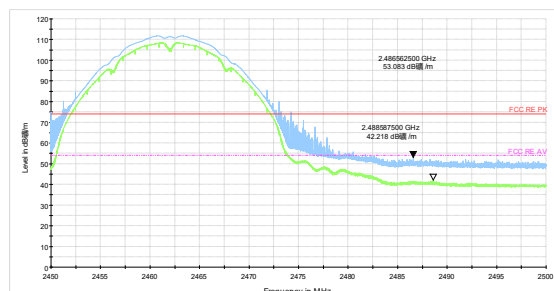
The following graphs display the maximum values of horizontal and vertical by software. Blue trace uses the peak detection, Green trace uses the average detection.

A symbol ($\text{dB}\mu\text{V/m}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)

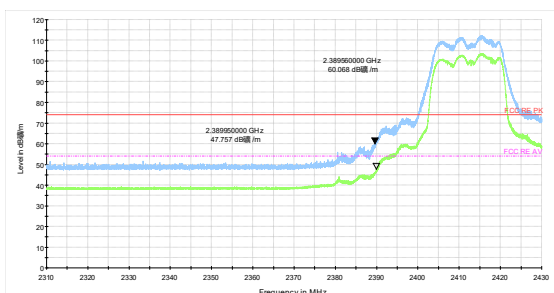
The signal beyond the limit is carrier.



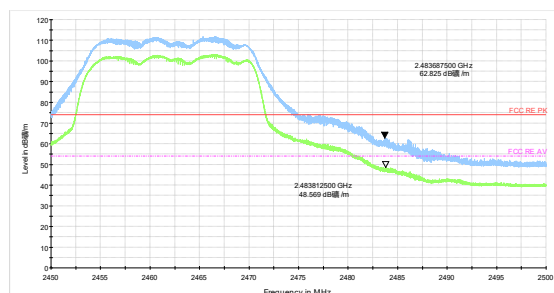
802.11b-Channel 1 Peak+ Average



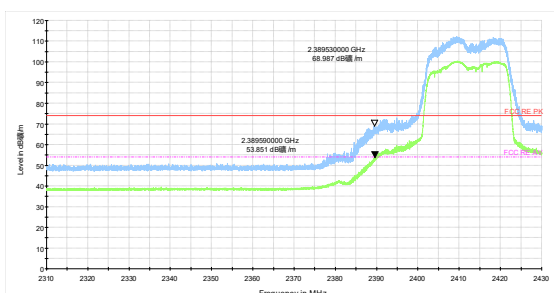
802.11b-Channel 11 Peak+ Average



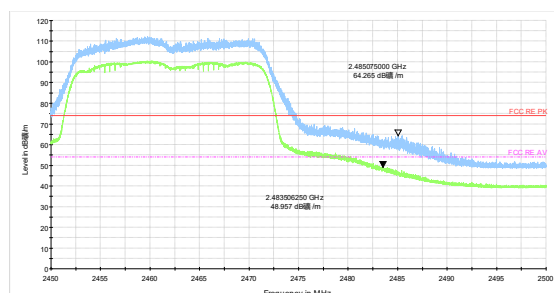
802.11g-Channel 1 Peak+ Average



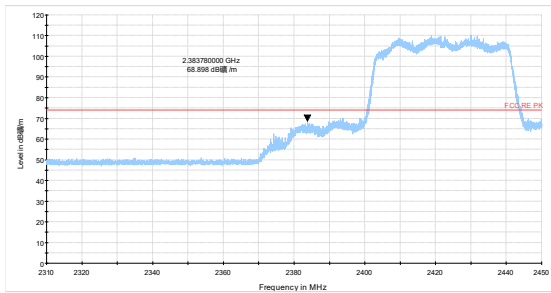
802.11g-Channel 11 Peak+ Average



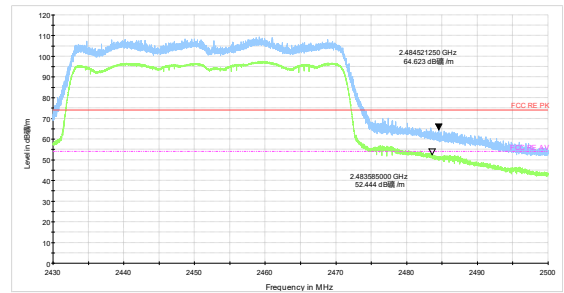
802.11ax HE20-Channel 1 Peak+ Average



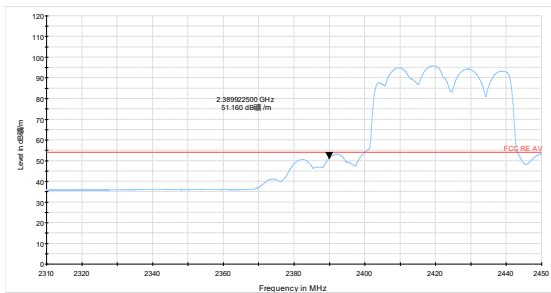
802.11ax HE20-Channel 11 Peak+ Average



802.11ax HE40-Channel 3 Peak



802.11ax HE40-Channel 9 Peak+ Average



802.11ax HE40-Channel 3 Average

Result of RE

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier. The Radiates Emission from 9kHz to 30MHz and 18GHz to 26.5GHz are more than 20dB below the limit are not reported.

Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **A symbol (dB μ V/m) in the test plot below means (dB μ V/m)**
A symbol (dB V/) in the test plot below means (dB μ V/m)
4. **The following graphs display the maximum values of coaxial and coplanar for 9k-30MHz; horizontal and vertical for above 30MHz by software.**
5. **For below 1GHz**

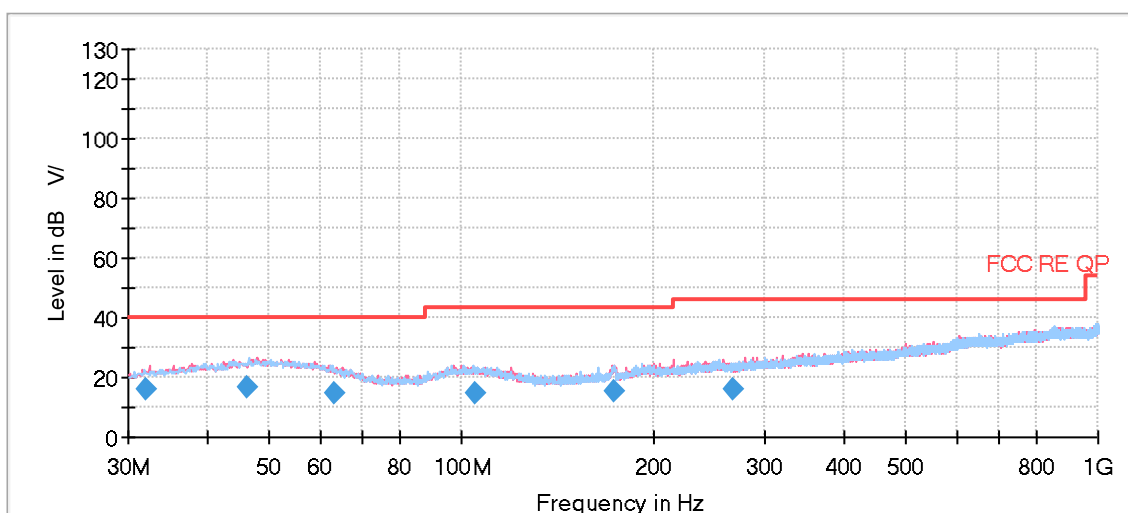
 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

For above 1GHz

 PK Level @Spectrum Overview H
  PK Level @Spectrum Overview V
  PK Level @Final Results
  PK Limit
 AVG Level @Spectrum Overview H
  AVG Level @Spectrum Overview V
  AVG Level @Final Results
  AVG Limit

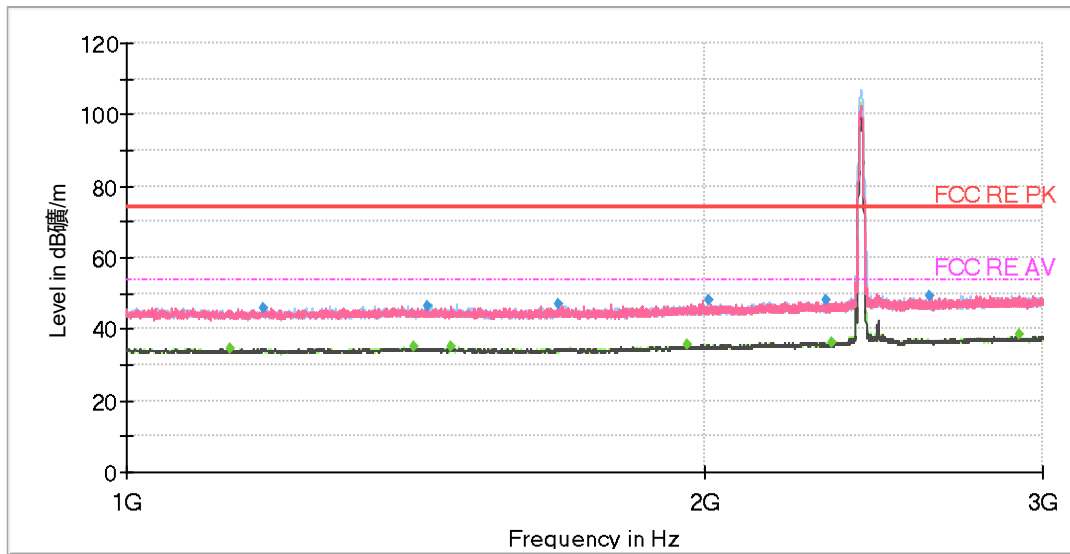
Continuous TX mode:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition (**802.11ax HE40 CH9**) was recorded in this report.



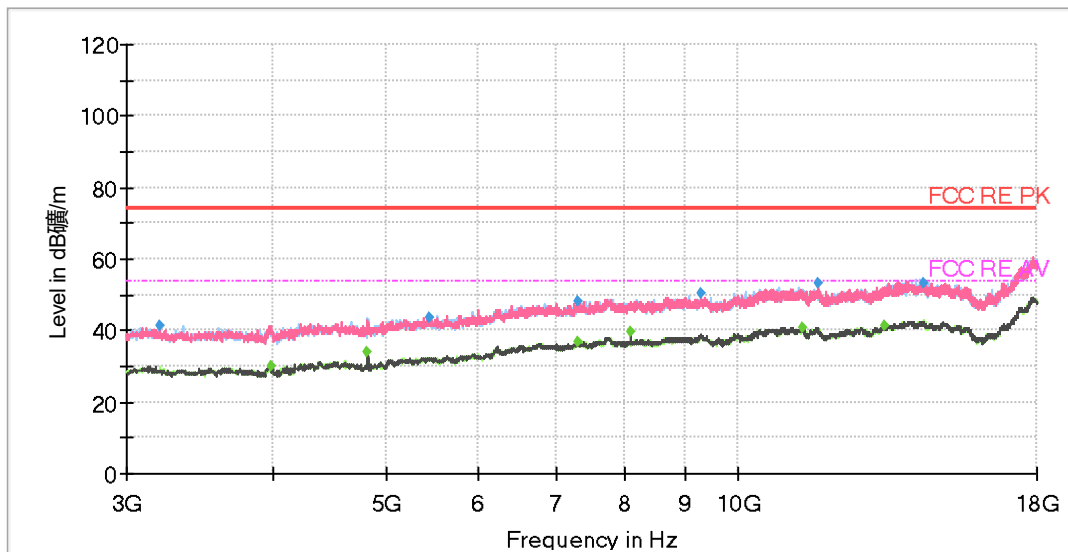
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.025000	16.32	40.00	23.68	1000.0	100.0	V	104.0	17.5
46.248750	16.72	40.00	23.28	1000.0	104.0	H	63.0	21.2
63.107500	14.49	40.00	25.51	1000.0	125.0	V	73.0	18.8
105.503750	14.37	43.50	29.13	1000.0	100.0	H	135.0	19.2
174.293750	15.61	43.50	27.89	1000.0	125.0	V	68.0	19.2
267.776250	15.95	46.00	30.05	1000.0	106.0	H	323.0	20.2



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

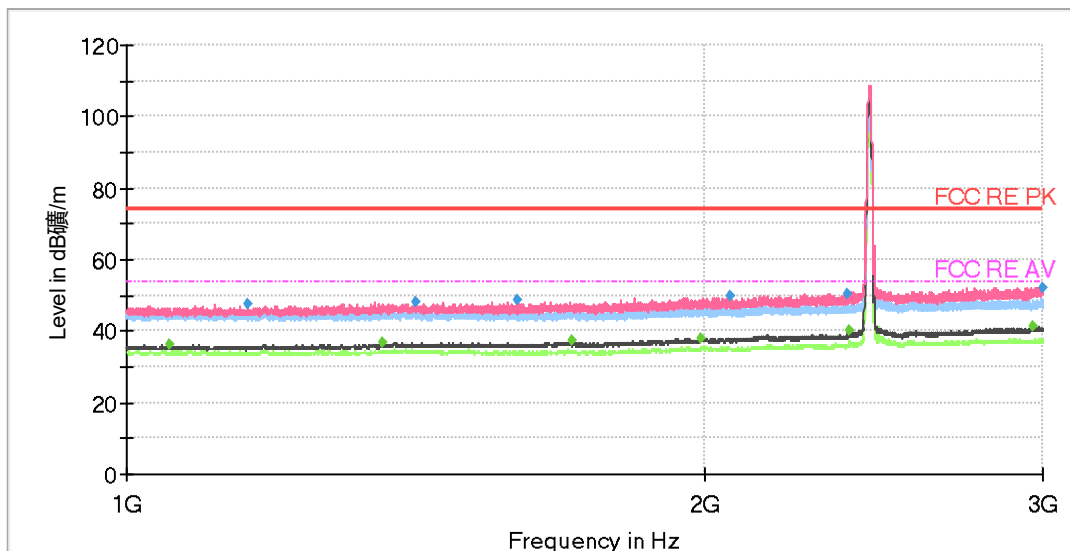
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1133.50	---	34.71	54.00	19.29	500.00	100.0	V	11.00	3
1177.25	46.05	---	74.00	27.95	500.00	200.0	H	4.00	4
1410.00	---	34.87	54.00	19.13	500.00	200.0	H	22.00	4
1436.00	46.49	---	74.00	27.51	500.00	100.0	V	0.00	4
1477.00	---	34.94	54.00	19.06	500.00	100.0	H	0.00	4
1678.75	46.88	---	74.00	27.12	500.00	200.0	V	359.00	5
1960.00	---	35.85	54.00	18.15	500.00	100.0	H	358.00	6
2009.00	47.96	---	74.00	26.04	500.00	200.0	H	13.00	6
2315.25	47.88	---	74.00	26.12	500.00	200.0	V	312.00	7
2330.00	---	36.31	54.00	17.69	500.00	100.0	V	8.00	7
2617.50	49.32	---	74.00	24.68	500.00	100.0	H	225.00	7
2916.25	---	38.30	54.00	15.70	500.00	200.0	H	37.00	8



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3202.50	41.60	---	74.00	32.40	500.00	200.0	V	0.00	-8
3982.50	---	30.17	54.00	23.83	500.00	100.0	H	354.00	-4
4822.50	---	34.22	54.00	19.78	500.00	200.0	V	8.00	-4
5445.00	43.42	---	74.00	30.58	500.00	100.0	V	165.00	-2
7280.63	48.08	---	74.00	25.92	500.00	100.0	H	358.00	2
7291.88	---	36.74	54.00	17.26	500.00	200.0	H	281.00	2
8098.13	---	39.68	54.00	14.32	500.00	100.0	V	229.00	2
9300.00	50.31	---	74.00	23.69	500.00	200.0	V	8.00	6
11336.25	---	40.75	54.00	13.25	500.00	100.0	H	0.00	7
11711.25	53.24	---	74.00	20.76	500.00	200.0	V	22.00	7
13325.63	---	41.25	54.00	12.75	500.00	100.0	V	22.00	8
14394.38	53.36	---	74.00	20.64	500.00	100.0	H	351.00	9

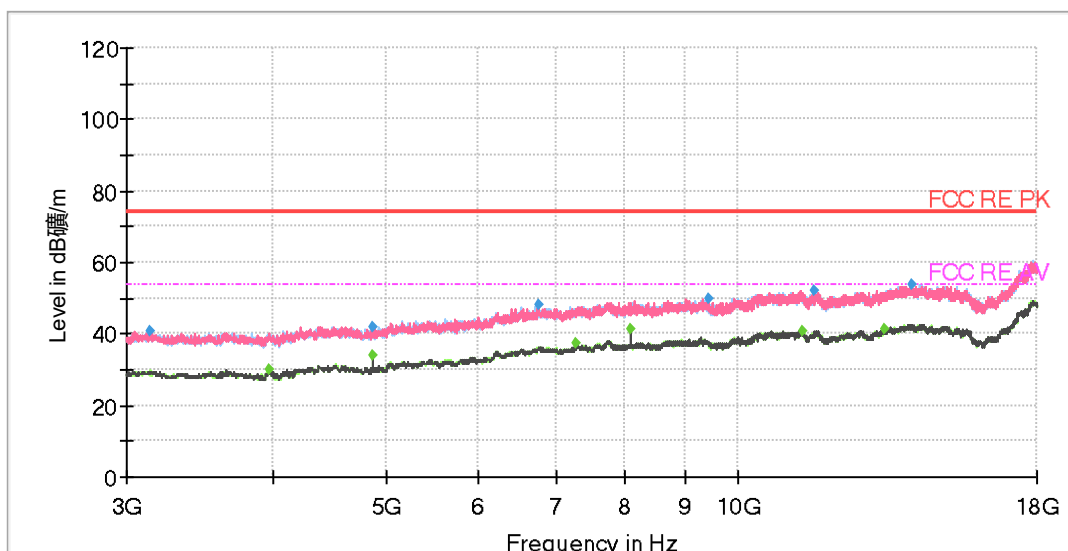
802.11b CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

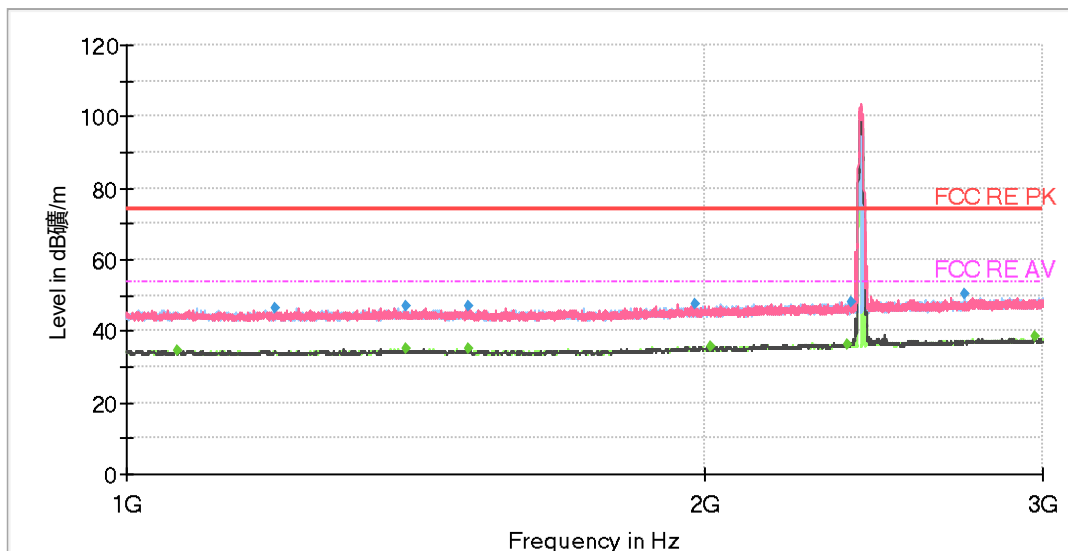
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1052.75	---	36.50	54.00	17.50	500.00	200.0	V	0.00	3
1155.50	47.52	---	74.00	26.48	500.00	200.0	V	338.00	3
1359.25	---	37.04	54.00	16.96	500.00	200.0	V	324.00	4
1415.25	48.12	---	74.00	25.88	500.00	200.0	V	254.00	4
1596.00	48.71	---	74.00	25.29	500.00	200.0	V	338.00	4
1707.50	---	37.08	54.00	16.92	500.00	200.0	V	348.00	5
1990.00	---	38.20	54.00	15.80	500.00	100.0	V	1.00	6
2061.50	49.75	---	74.00	24.25	500.00	200.0	V	305.00	6
2372.75	50.64	---	74.00	23.36	500.00	200.0	V	352.00	7
2380.75	---	40.11	54.00	13.89	500.00	100.0	V	20.00	7
2966.00	---	41.13	54.00	12.87	500.00	100.0	V	2.00	8
2998.75	52.31	---	74.00	21.69	500.00	100.0	V	0.00	9



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3142.50	40.95	---	74.00	33.05	500.00	100.0	V	62.00	-8
3967.50	---	30.05	54.00	23.95	500.00	100.0	H	326.00	-4
4873.13	---	33.69	54.00	20.31	500.00	200.0	V	168.00	-3
4873.13	41.87	---	74.00	32.13	500.00	100.0	H	334.00	-3
6742.50	48.12	---	74.00	25.88	500.00	200.0	V	246.00	1
7276.88	---	37.23	54.00	16.77	500.00	200.0	H	357.00	2
8098.13	---	41.30	54.00	12.70	500.00	100.0	V	168.00	2
9423.75	49.81	---	74.00	24.19	500.00	100.0	V	6.00	5
11343.75	---	40.59	54.00	13.41	500.00	200.0	V	92.00	7
11619.38	52.20	---	74.00	21.80	500.00	100.0	V	4.00	7
13338.75	---	41.21	54.00	12.79	500.00	100.0	V	4.00	8
14058.75	53.54	---	74.00	20.46	500.00	200.0	H	334.00	9

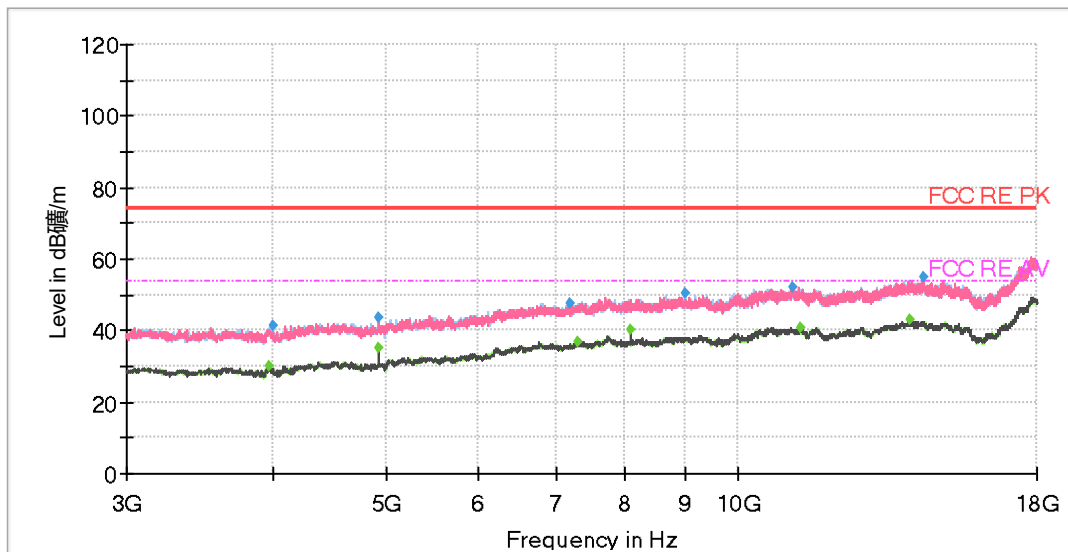
802.11b CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

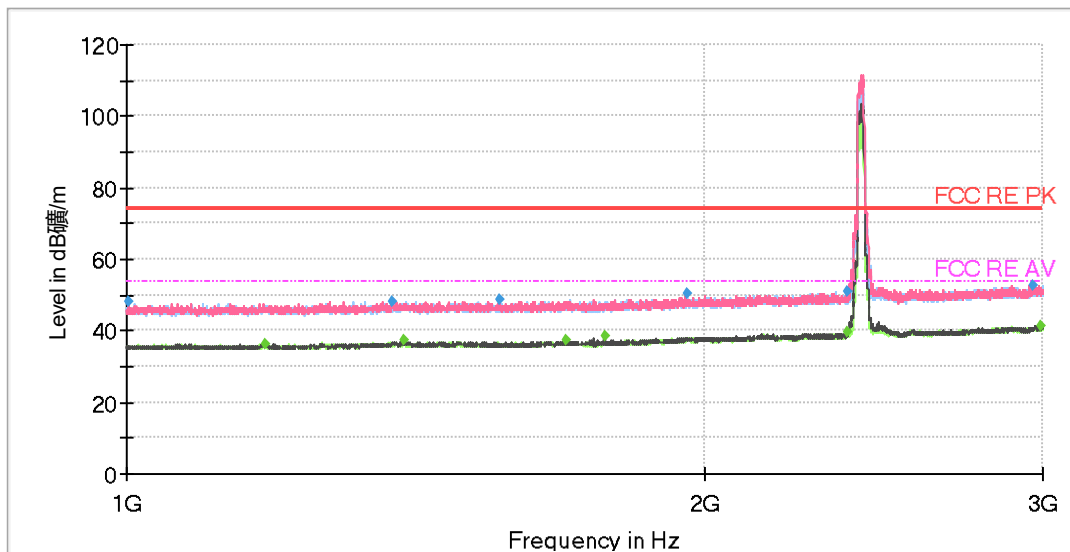
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1064.00	---	34.77	54.00	19.23	500.00	200.0	H	6.00	3
1195.25	46.33	---	74.00	27.67	500.00	200.0	H	11.00	4
1397.25	---	34.94	54.00	19.06	500.00	100.0	V	4.00	5
1397.75	46.71	---	74.00	27.29	500.00	200.0	H	0.00	5
1507.00	47.04	---	74.00	26.96	500.00	200.0	H	27.00	4
1507.50	---	35.02	54.00	18.98	500.00	100.0	H	0.00	4
1978.25	47.53	---	74.00	26.47	500.00	100.0	H	0.00	6
2012.75	---	35.66	54.00	18.34	500.00	100.0	H	264.00	6
2374.25	---	36.12	54.00	17.88	500.00	200.0	H	1.00	7
2383.75	47.93	---	74.00	26.07	500.00	100.0	V	330.00	7
2730.25	50.36	---	74.00	23.64	500.00	200.0	H	1.00	8
2971.25	---	38.21	54.00	15.79	500.00	200.0	V	357.00	8



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3971.25	---	29.97	54.00	24.03	500.00	100.0	V	234.00	-4
3997.50	41.13	---	74.00	32.87	500.00	200.0	H	355.00	-5
4923.75	---	35.13	54.00	18.87	500.00	200.0	V	97.00	-3
4923.75	43.51	---	74.00	30.49	500.00	100.0	V	97.00	-3
7188.75	47.73	---	74.00	26.27	500.00	100.0	V	158.00	1
7290.00	---	36.97	54.00	17.03	500.00	200.0	H	352.00	2
8098.13	---	39.95	54.00	14.05	500.00	100.0	V	203.00	2
9024.38	50.20	---	74.00	23.80	500.00	200.0	H	355.00	5
11141.25	52.26	---	74.00	21.74	500.00	200.0	V	264.00	7
11300.63	---	40.76	54.00	13.24	500.00	100.0	H	352.00	7
14040.00	---	42.78	54.00	11.22	500.00	100.0	V	4.00	9
14411.25	54.72	---	74.00	19.28	500.00	200.0	V	26.00	8

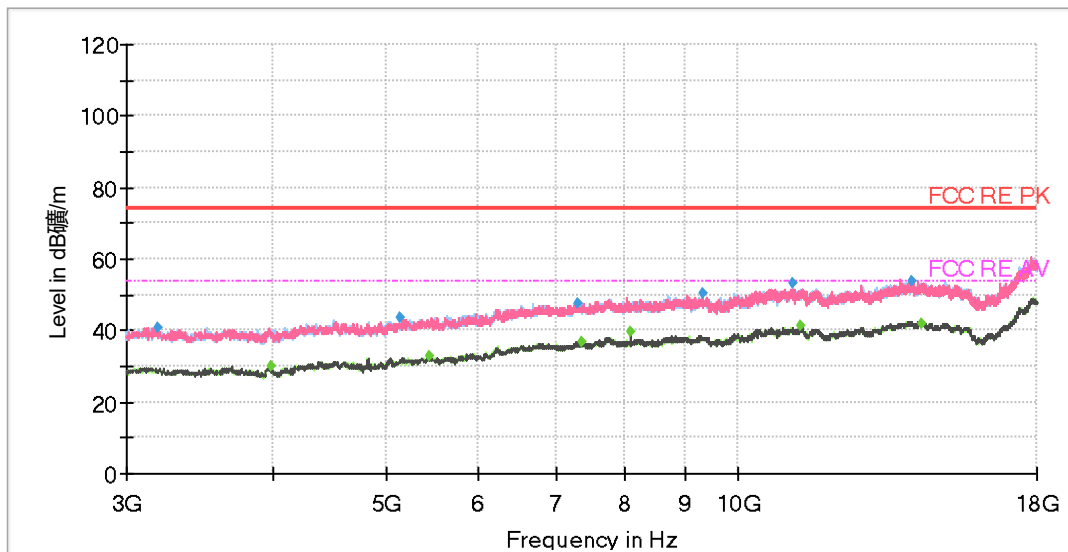
802.11g CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

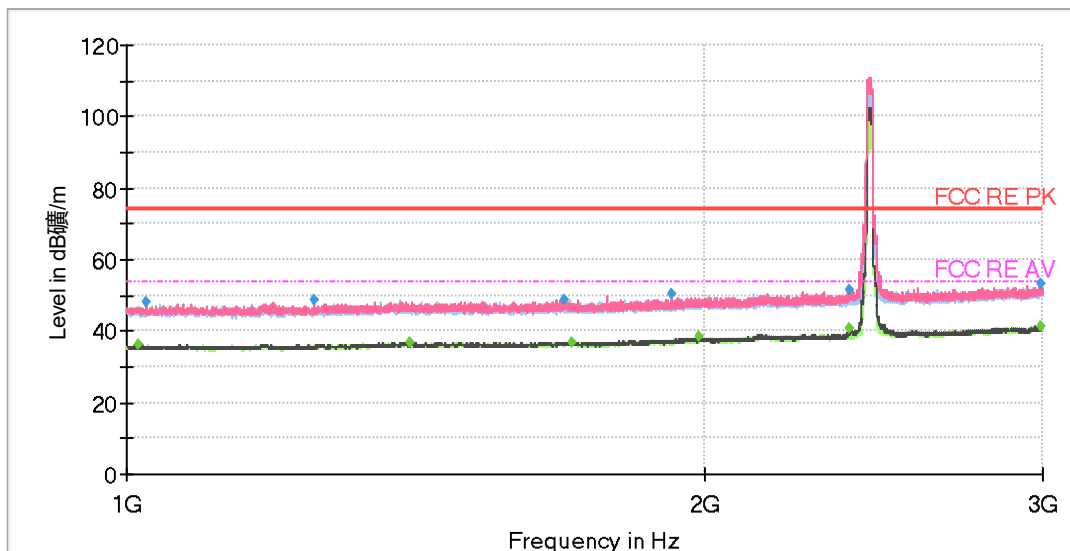
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1001.75	47.98	---	74.00	26.02	500.00	200.0	V	303.00	3
1179.75	---	36.34	54.00	17.66	500.00	100.0	V	115.00	4
1375.25	48.39	---	74.00	25.61	500.00	200.0	V	329.00	4
1394.50	---	37.10	54.00	16.90	500.00	200.0	V	336.00	5
1563.75	48.69	---	74.00	25.31	500.00	100.0	H	178.00	4
1693.75	---	37.19	54.00	16.81	500.00	100.0	V	227.00	5
1773.25	---	38.63	54.00	15.37	500.00	100.0	V	8.00	5
1959.50	50.32	---	74.00	23.68	500.00	100.0	H	178.00	6
2371.00	50.70	---	74.00	23.30	500.00	200.0	V	347.00	7
2373.75	---	39.74	54.00	14.26	500.00	100.0	V	41.00	7
2966.50	52.66	---	74.00	21.34	500.00	200.0	H	0.00	8
2993.75	---	41.29	54.00	12.71	500.00	100.0	H	313.00	9



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3189.38	40.95	---	74.00	33.05	500.00	200.0	V	6.00	-8
3980.63	---	29.79	54.00	24.21	500.00	200.0	V	2.00	-4
5137.50	43.77	---	74.00	30.23	500.00	200.0	H	357.00	-2
5448.75	---	32.96	54.00	21.04	500.00	200.0	V	18.00	-2
7286.25	47.70	---	74.00	26.30	500.00	200.0	H	302.00	2
7338.75	---	36.63	54.00	17.37	500.00	200.0	V	216.00	2
8098.13	---	39.86	54.00	14.14	500.00	200.0	V	168.00	2
9320.63	50.11	---	74.00	23.89	500.00	200.0	V	108.00	5
11143.13	53.40	---	74.00	20.60	500.00	200.0	H	0.00	7
11308.13	---	41.11	54.00	12.89	500.00	200.0	H	153.00	7
14094.38	53.94	---	74.00	20.06	500.00	200.0	H	197.00	9
14370.00	---	42.11	54.00	11.89	500.00	200.0	H	350.00	9

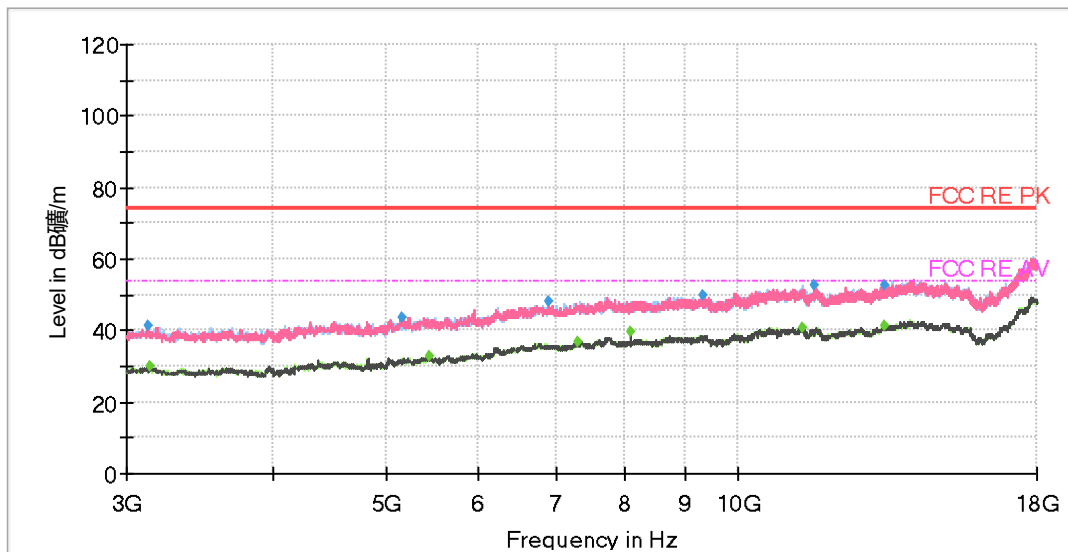
802.11g CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

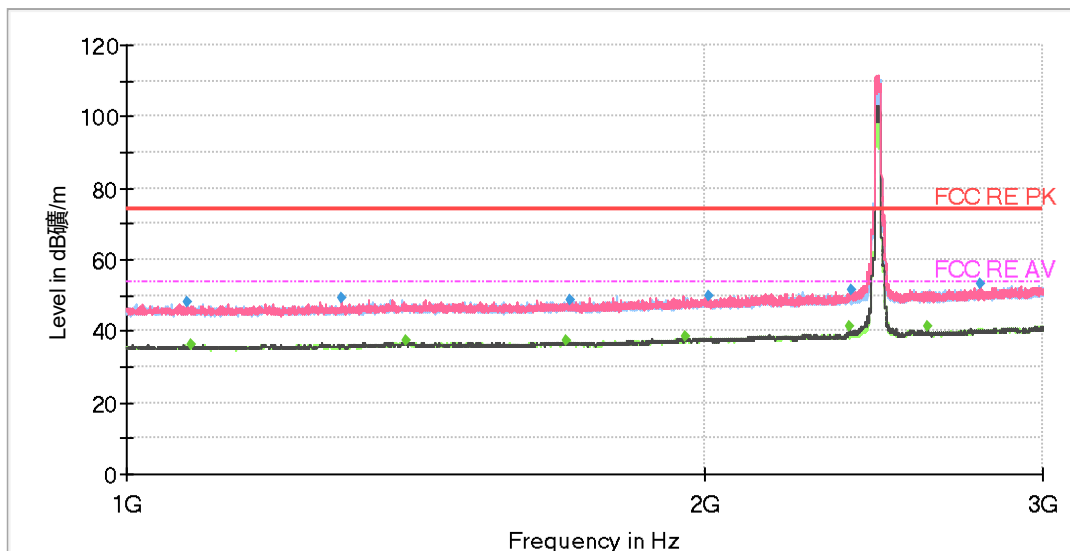
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1013.00	---	36.41	54.00	17.59	500.00	100.0	V	0.00	3
1024.00	48.23	---	74.00	25.77	500.00	100.0	V	0.00	3
1251.00	48.54	---	74.00	25.46	500.00	200.0	V	283.00	4
1406.00	---	36.91	54.00	17.09	500.00	200.0	V	257.00	4
1688.75	48.78	---	74.00	25.22	500.00	100.0	V	2.00	5
1704.50	---	37.07	54.00	16.93	500.00	200.0	V	305.00	5
1920.75	50.18	---	74.00	23.82	500.00	100.0	V	0.00	6
1984.25	---	38.28	54.00	15.72	500.00	100.0	V	0.00	6
2380.75	---	40.65	54.00	13.35	500.00	200.0	V	359.00	7
2381.25	51.74	---	74.00	22.26	500.00	200.0	V	23.00	7
2990.50	53.02	---	74.00	20.98	500.00	200.0	V	257.00	9
2996.25	---	41.39	54.00	12.61	500.00	100.0	V	326.00	9



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3123.75	41.43	---	74.00	32.57	500.00	200.0	V	56.00	-8
3146.25	---	30.00	54.00	24.00	500.00	100.0	V	7.00	-8
5156.25	43.83	---	74.00	30.17	500.00	200.0	V	5.00	-2
5437.50	---	32.60	54.00	21.40	500.00	100.0	H	83.00	-2
6879.38	48.26	---	74.00	25.74	500.00	200.0	V	359.00	1
7280.63	---	36.69	54.00	17.31	500.00	100.0	H	314.00	2
8098.13	---	39.44	54.00	14.56	500.00	200.0	V	192.00	2
9313.13	49.69	---	74.00	24.31	500.00	100.0	H	357.00	6
11340.00	---	40.79	54.00	13.21	500.00	200.0	H	323.00	7
11632.50	52.46	---	74.00	21.54	500.00	100.0	H	339.00	7
13333.13	52.66	---	74.00	21.34	500.00	200.0	H	276.00	8
13338.75	---	41.49	54.00	12.51	500.00	100.0	V	207.00	8

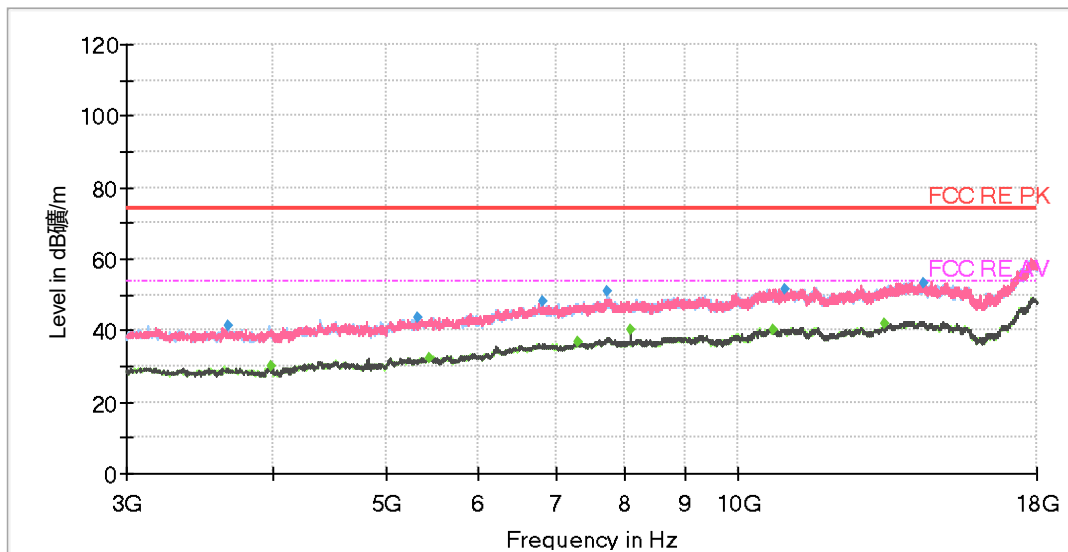
802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

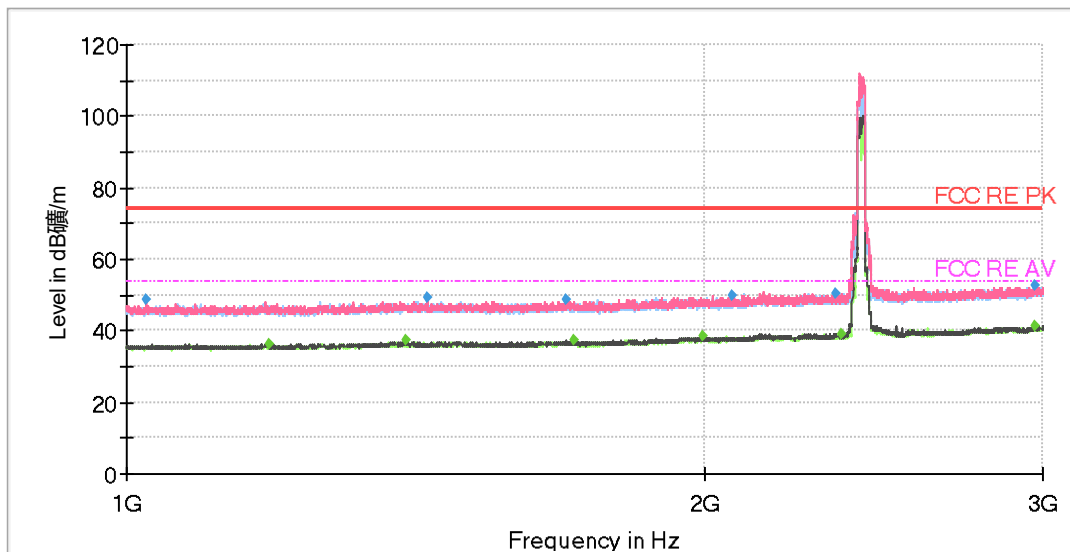
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1076.50	47.85	---	74.00	26.15	500.00	100.0	H	114.00	3
1080.50	---	36.23	54.00	17.77	500.00	200.0	H	340.00	3
1294.75	48.97	---	74.00	25.03	500.00	200.0	V	200.00	4
1397.50	---	37.10	54.00	16.90	500.00	200.0	H	359.00	5
1694.50	---	37.21	54.00	16.79	500.00	100.0	V	339.00	5
1703.75	48.74	---	74.00	25.26	500.00	200.0	V	228.00	5
1952.25	---	38.27	54.00	15.73	500.00	100.0	V	359.00	6
2011.50	49.99	---	74.00	24.01	500.00	100.0	H	114.00	6
2380.75	---	41.35	54.00	12.65	500.00	200.0	V	34.00	7
2383.75	51.30	---	74.00	22.70	500.00	100.0	V	325.00	7
2612.75	---	41.52	54.00	12.48	500.00	200.0	V	359.00	7
2781.00	52.99	---	74.00	21.01	500.00	200.0	V	200.00	8



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3669.38	41.57	---	74.00	32.43	500.00	100.0	H	342.00	-6
3982.50	---	29.79	54.00	24.21	500.00	200.0	H	359.00	-4
5328.75	43.45	---	74.00	30.55	500.00	100.0	V	88.00	-2
5448.75	---	32.50	54.00	21.50	500.00	200.0	H	252.00	-2
6796.88	47.87	---	74.00	26.13	500.00	100.0	V	181.00	1
7284.38	---	36.70	54.00	17.30	500.00	200.0	H	0.00	2
7717.50	50.77	---	74.00	23.23	500.00	100.0	H	160.00	2
8098.13	---	40.00	54.00	14.00	500.00	100.0	V	166.00	2
10730.63	---	39.91	54.00	14.09	500.00	200.0	V	245.00	6
10948.13	51.55	---	74.00	22.45	500.00	100.0	H	269.00	7
13342.50	---	41.76	54.00	12.24	500.00	100.0	V	3.00	8
14390.63	53.41	---	74.00	20.59	500.00	200.0	H	175.00	9

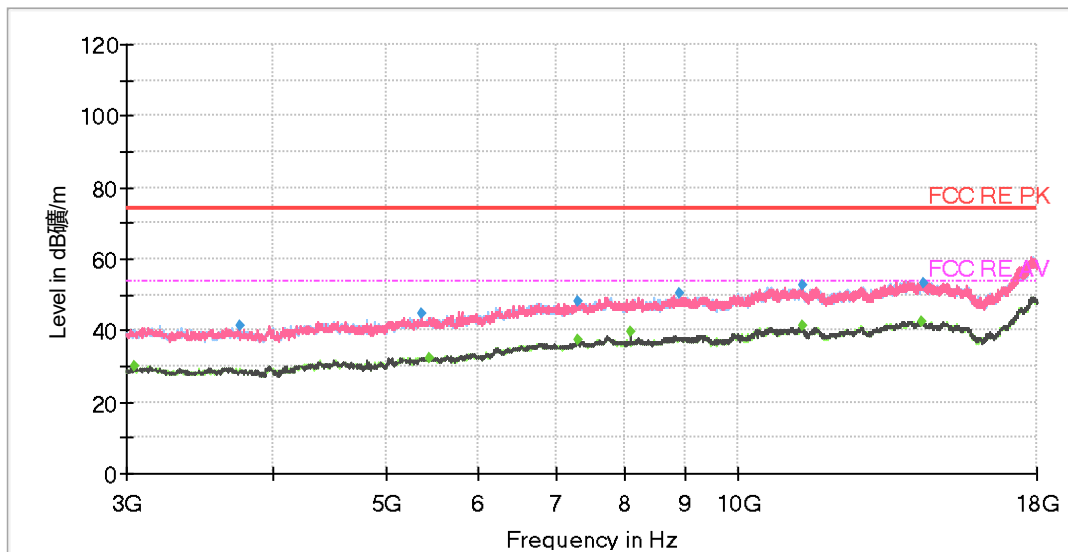
802.11ax HE20 CH 1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

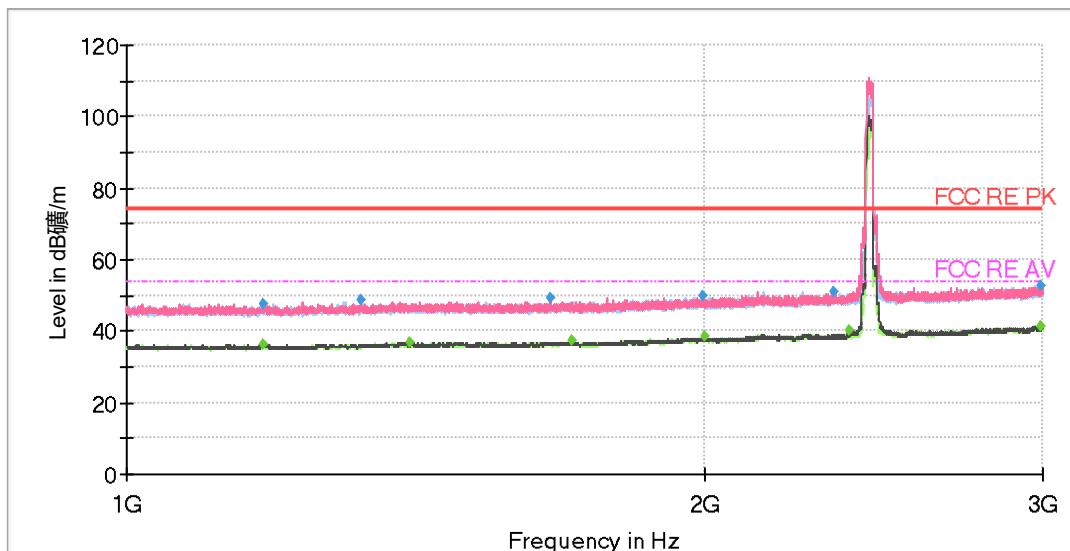
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1023.50	48.72	---	74.00	25.28	500.00	200.0	V	186.00	3
1187.00	---	36.36	54.00	17.64	500.00	200.0	V	270.00	4
1396.50	---	37.19	54.00	16.81	500.00	200.0	V	144.00	5
1435.75	48.98	---	74.00	25.02	500.00	100.0	V	236.00	4
1693.75	48.48	---	74.00	25.52	500.00	100.0	H	1.00	5
1709.00	---	37.32	54.00	16.68	500.00	200.0	V	72.00	5
1997.00	---	38.23	54.00	15.77	500.00	200.0	H	292.00	6
2069.00	49.63	---	74.00	24.37	500.00	200.0	H	193.00	6
2343.00	50.55	---	74.00	23.45	500.00	200.0	V	0.00	7
2355.50	---	38.86	54.00	15.14	500.00	200.0	V	347.00	7
2971.00	52.40	---	74.00	21.60	500.00	200.0	V	99.00	8
2971.50	---	41.57	54.00	12.43	500.00	200.0	V	14.00	8



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3048.75	---	29.98	54.00	24.02	500.00	200.0	V	287.00	-8
3753.75	41.40	---	74.00	32.60	500.00	200.0	V	322.00	-6
5355.00	44.51	---	74.00	29.49	500.00	200.0	V	87.00	-2
5446.88	---	32.51	54.00	21.49	500.00	100.0	H	96.00	-2
7282.50	---	37.29	54.00	16.71	500.00	100.0	H	0.00	2
7290.00	48.20	---	74.00	25.80	500.00	200.0	H	11.00	2
8098.13	---	39.89	54.00	14.11	500.00	200.0	V	211.00	2
8900.63	50.27	---	74.00	23.73	500.00	100.0	H	0.00	5
11336.25	52.58	---	74.00	21.42	500.00	100.0	V	270.00	7
11341.88	---	41.22	54.00	12.78	500.00	200.0	H	22.00	7
14366.25	---	42.23	54.00	11.77	500.00	200.0	H	309.00	9
14394.38	53.49	---	74.00	20.51	500.00	100.0	H	295.00	9

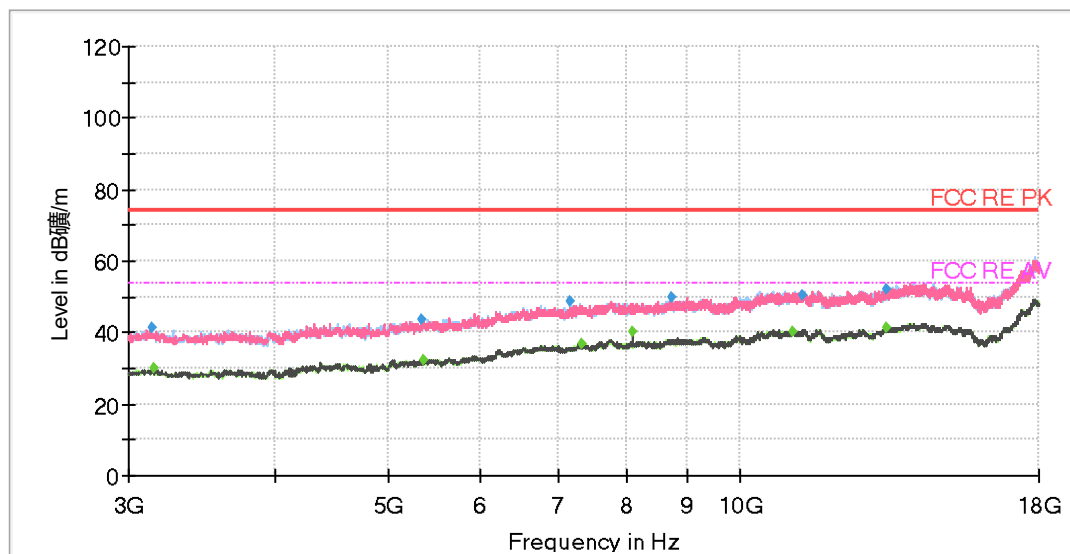
802.11ax HE20 CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

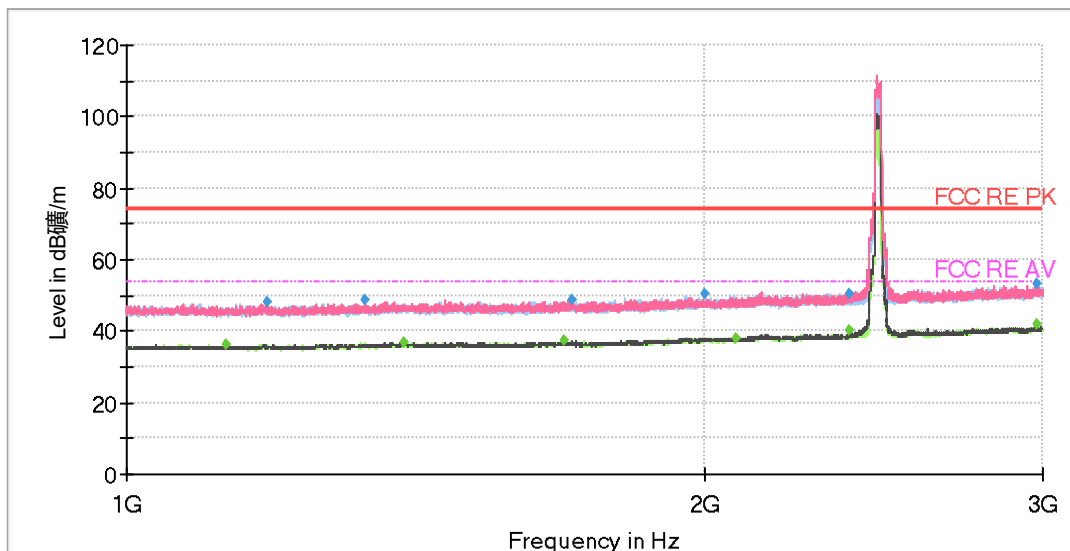
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1177.00	47.65	---	74.00	26.35	500.00	200.0	V	144.00	4
1178.75	---	36.45	54.00	17.55	500.00	200.0	V	228.00	4
1324.25	48.72	---	74.00	25.28	500.00	100.0	V	220.00	4
1406.00	---	36.97	54.00	17.03	500.00	200.0	V	117.00	4
1661.25	49.10	---	74.00	24.90	500.00	100.0	V	336.00	5
1705.50	---	37.44	54.00	16.56	500.00	100.0	V	92.00	5
1996.75	49.75	---	74.00	24.25	500.00	100.0	V	357.00	6
1999.25	---	38.32	54.00	15.68	500.00	200.0	H	329.00	6
2335.75	51.10	---	74.00	22.90	500.00	100.0	V	329.00	7
2381.00	---	40.28	54.00	13.72	500.00	200.0	V	4.00	7
2991.00	52.76	---	74.00	21.24	500.00	100.0	V	107.00	9
2992.00	---	41.40	54.00	12.60	500.00	200.0	H	320.00	9



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3140.63	41.35	---	74.00	32.65	500.00	100.0	H	336.00	-8
3148.13	---	29.82	54.00	24.18	500.00	100.0	V	2.00	-8
5332.50	43.72	---	74.00	30.28	500.00	200.0	V	6.00	-2
5358.75	---	32.42	54.00	21.58	500.00	200.0	H	328.00	-2
7164.38	48.67	---	74.00	25.33	500.00	100.0	H	328.00	1
7321.88	---	36.83	54.00	17.17	500.00	200.0	H	220.00	2
8098.13	---	39.97	54.00	14.03	500.00	100.0	V	169.00	2
8739.38	50.04	---	74.00	23.96	500.00	100.0	V	12.00	5
11105.63	---	40.35	54.00	13.65	500.00	200.0	H	205.00	7
11293.13	50.56	---	74.00	23.44	500.00	100.0	H	220.00	7
13331.25	52.07	---	74.00	21.93	500.00	200.0	V	215.00	8
13340.63	---	41.48	54.00	12.52	500.00	100.0	V	49.00	8

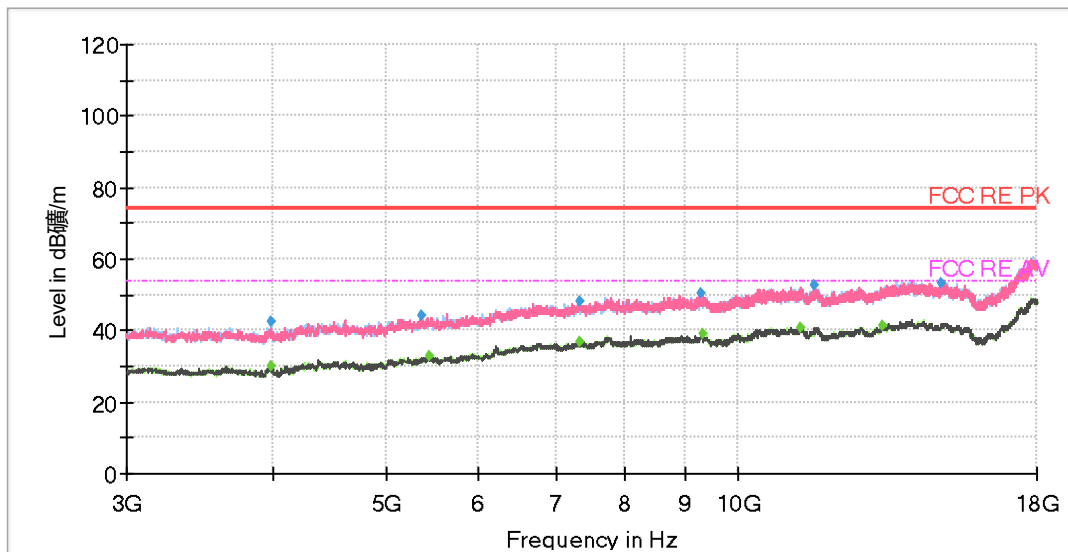
802.11ax HE20 CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

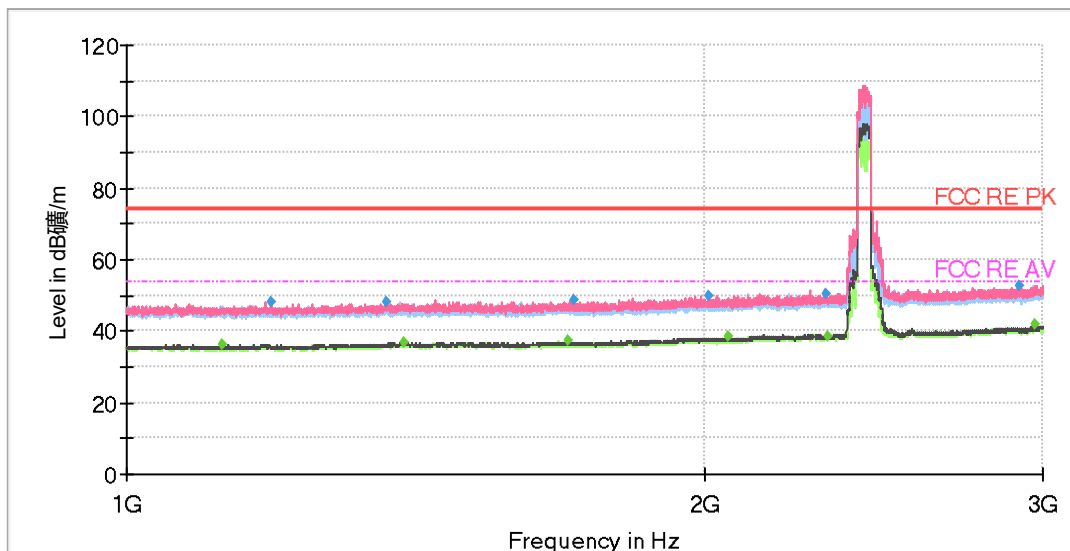
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1126.50	---	36.17	54.00	17.83	500.00	100.0	H	4.00	3
1184.25	48.17	---	74.00	25.83	500.00	200.0	V	29.00	4
1330.50	48.82	---	74.00	25.18	500.00	200.0	H	326.00	4
1393.00	---	36.95	54.00	17.05	500.00	200.0	H	353.00	5
1691.25	---	37.33	54.00	16.67	500.00	100.0	V	351.00	5
1707.75	48.87	---	74.00	25.13	500.00	200.0	V	1.00	5
2002.75	50.28	---	74.00	23.72	500.00	200.0	H	349.00	6
2076.75	---	38.20	54.00	15.80	500.00	200.0	H	359.00	6
2380.50	50.46	---	74.00	23.54	500.00	200.0	V	56.00	7
2380.50	---	40.21	54.00	13.79	500.00	200.0	V	56.00	7
2980.00	---	41.65	54.00	12.35	500.00	200.0	V	174.00	8
2980.50	53.23	---	74.00	20.77	500.00	200.0	V	29.00	8



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3980.63	---	29.88	54.00	24.12	500.00	200.0	V	254.00	-4
3982.50	42.53	---	74.00	31.47	500.00	100.0	H	270.00	-4
5370.00	44.28	---	74.00	29.72	500.00	100.0	V	58.00	-2
5448.75	---	32.64	54.00	21.36	500.00	200.0	V	14.00	-2
7306.88	48.01	---	74.00	25.99	500.00	100.0	H	256.00	2
7329.38	---	36.73	54.00	17.27	500.00	200.0	V	207.00	2
9307.50	50.23	---	74.00	23.77	500.00	200.0	H	337.00	6
9311.25	---	38.78	54.00	15.22	500.00	200.0	H	329.00	6
11308.13	---	40.63	54.00	13.37	500.00	100.0	H	0.00	7
11625.00	52.51	---	74.00	21.49	500.00	100.0	H	81.00	7
13269.38	---	41.08	54.00	12.92	500.00	100.0	V	207.00	8
14932.50	53.34	---	74.00	20.66	500.00	200.0	V	3.00	8

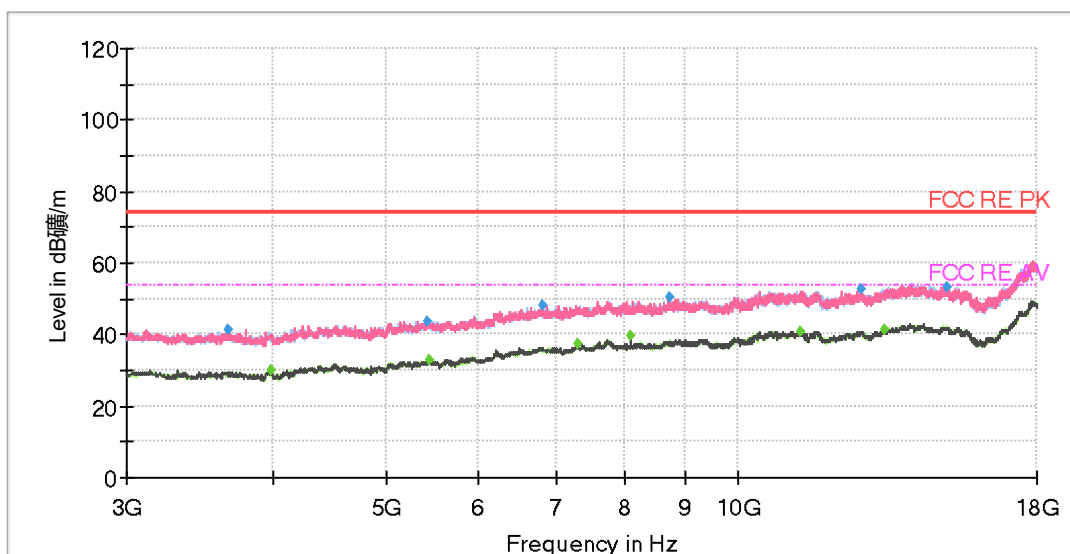
802.11ax HE40 CH3



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

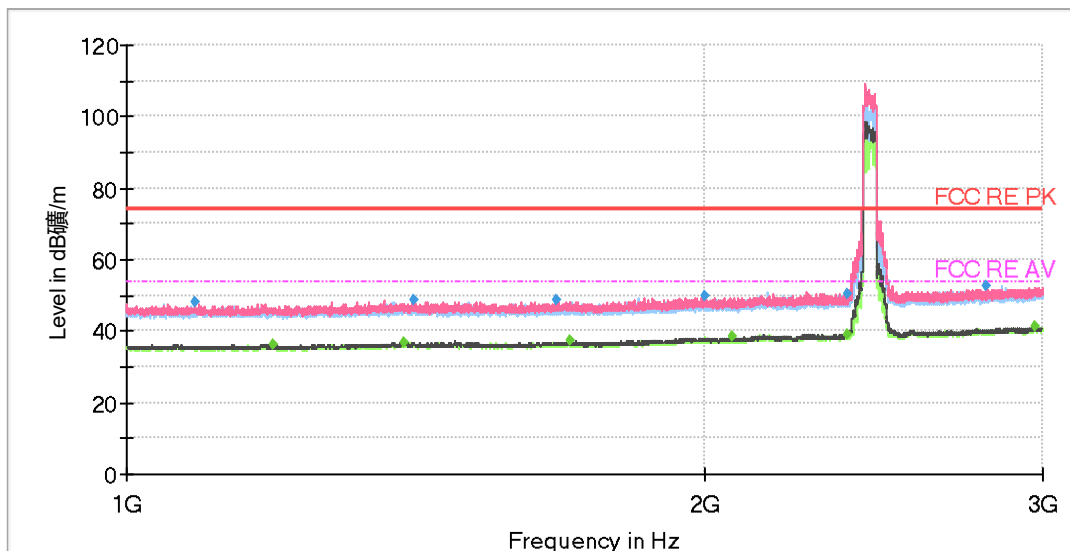
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1121.00	---	36.39	54.00	17.61	500.00	100.0	V	103.00	3
1189.50	48.29	---	74.00	25.71	500.00	100.0	V	2.00	4
1367.00	48.29	---	74.00	25.71	500.00	100.0	V	26.00	4
1393.25	---	36.84	54.00	17.16	500.00	200.0	V	224.00	5
1697.25	---	37.15	54.00	16.85	500.00	200.0	V	0.00	5
1708.75	48.61	---	74.00	25.39	500.00	200.0	H	12.00	5
2009.50	50.08	---	74.00	23.92	500.00	200.0	V	314.00	6
2056.25	---	38.25	54.00	15.75	500.00	100.0	V	75.00	6
2311.75	50.23	---	74.00	23.77	500.00	100.0	V	34.00	7
2318.50	---	38.47	54.00	15.53	500.00	200.0	H	0.00	7
2917.00	52.85	---	74.00	21.15	500.00	200.0	V	224.00	8
2970.50	---	41.78	54.00	12.22	500.00	100.0	V	15.00	8



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3667.50	41.29	---	74.00	32.71	500.00	200.0	V	174.00	-6
3980.63	---	29.87	54.00	24.13	500.00	100.0	V	90.00	-4
5430.00	43.84	---	74.00	30.16	500.00	200.0	H	150.00	-2
5450.63	---	32.89	54.00	21.11	500.00	100.0	V	17.00	-2
6802.50	48.21	---	74.00	25.79	500.00	200.0	V	114.00	1
7286.25	---	37.21	54.00	16.79	500.00	200.0	V	351.00	2
8098.13	---	39.82	54.00	14.18	500.00	100.0	V	199.00	2
8746.88	50.13	---	74.00	23.87	500.00	100.0	H	224.00	4
11285.63	---	40.90	54.00	13.10	500.00	200.0	H	0.00	7
12736.88	52.92	---	74.00	21.08	500.00	200.0	H	47.00	7
13323.75	---	41.56	54.00	12.44	500.00	100.0	V	12.00	8
15054.38	53.12	---	74.00	20.88	500.00	200.0	V	354.00	8

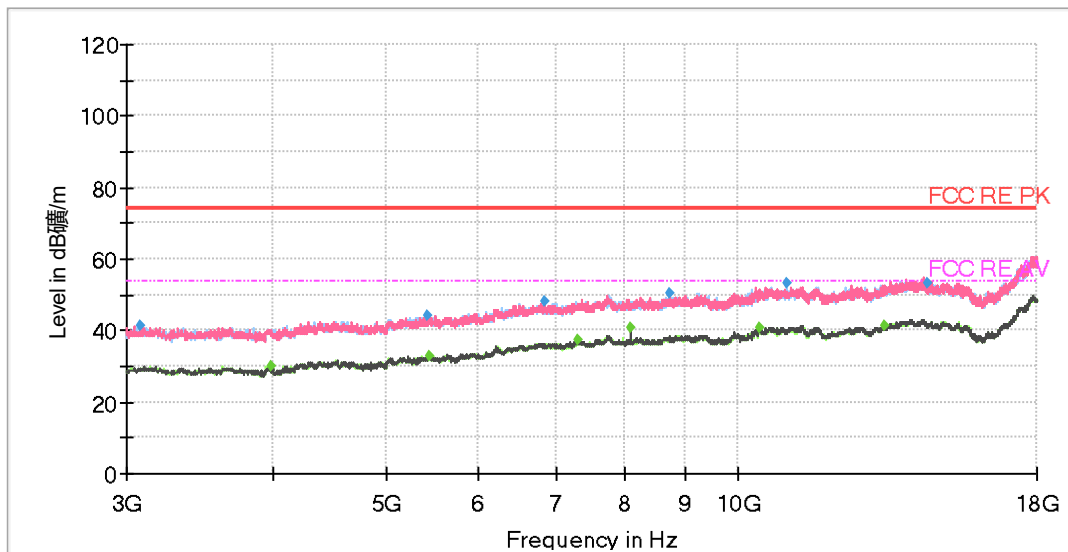
802.11ax HE40 CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

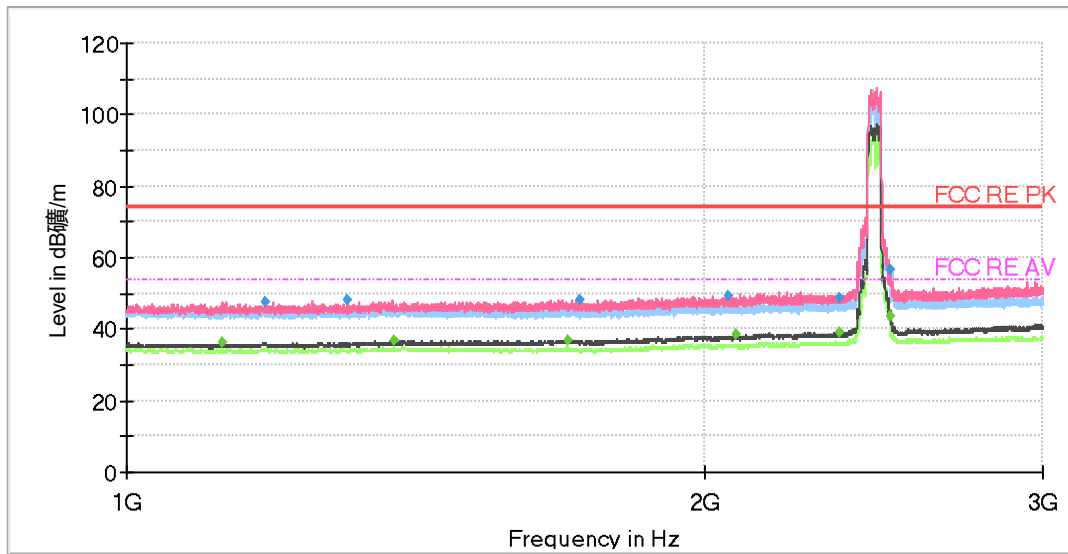
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1085.00	48.16	---	74.00	25.84	500.00	200.0	V	248.00	3
1192.50	---	36.22	54.00	17.78	500.00	100.0	V	53.00	4
1394.25	---	36.84	54.00	17.16	500.00	200.0	V	164.00	5
1410.25	48.65	---	74.00	25.35	500.00	100.0	V	5.00	4
1675.75	48.63	---	74.00	25.37	500.00	200.0	V	347.00	5
1702.00	---	37.13	54.00	16.87	500.00	200.0	V	350.00	5
2002.25	49.77	---	74.00	24.23	500.00	200.0	V	357.00	6
2065.25	---	38.30	54.00	15.70	500.00	200.0	V	235.00	6
2371.50	50.29	---	74.00	23.71	500.00	100.0	V	0.00	7
2373.50	---	39.06	54.00	14.94	500.00	200.0	V	353.00	7
2804.75	52.84	---	74.00	21.16	500.00	200.0	V	347.00	8
2969.50	---	41.36	54.00	12.64	500.00	200.0	V	107.00	8



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3084.38	41.42	---	74.00	32.58	500.00	100.0	H	355.00	-8
3980.63	---	29.94	54.00	24.06	500.00	200.0	H	195.00	-4
5430.00	43.99	---	74.00	30.01	500.00	100.0	H	259.00	-2
5439.38	---	32.73	54.00	21.27	500.00	100.0	H	190.00	-2
6836.25	48.10	---	74.00	25.90	500.00	100.0	H	213.00	1
7286.25	---	37.14	54.00	16.86	500.00	200.0	H	226.00	2
8098.13	---	40.70	54.00	13.30	500.00	200.0	V	222.00	2
8726.25	50.60	---	74.00	23.40	500.00	100.0	V	278.00	5
10411.88	---	40.67	54.00	13.33	500.00	100.0	H	349.00	5
10987.50	53.24	---	74.00	20.76	500.00	100.0	H	144.00	7
13340.63	---	41.55	54.00	12.45	500.00	200.0	H	21.00	8
14505.00	53.43	---	74.00	20.57	500.00	200.0	H	3.00	8

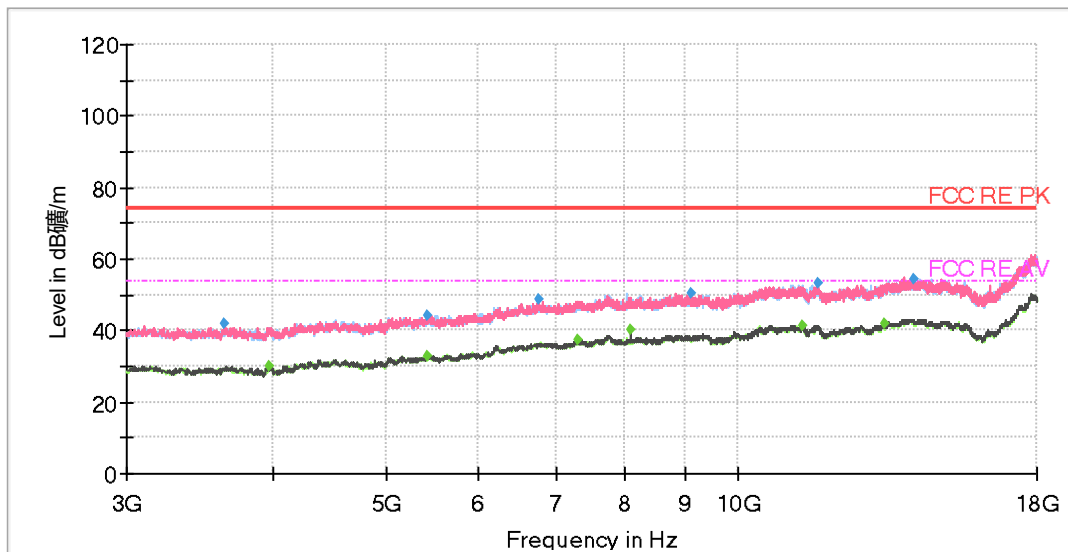
802.11ax HE40 CH9



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1122.75	---	36.12	54.00	17.88	500.00	200.0	V	354.00	4
1180.75	47.57	---	74.00	26.43	500.00	200.0	V	183.00	4
1302.75	47.98	---	74.00	26.02	500.00	200.0	V	357.00	4
1378.50	---	36.99	54.00	17.01	500.00	200.0	V	337.00	4
1699.50	---	37.02	54.00	16.98	500.00	200.0	V	0.00	5
1720.25	48.19	---	74.00	25.81	500.00	200.0	V	278.00	5
2058.00	49.18	---	74.00	24.82	500.00	200.0	V	351.00	6
2076.25	---	38.31	54.00	15.69	500.00	200.0	V	354.00	6
2349.50	48.75	---	74.00	25.25	500.00	200.0	V	252.00	7
2351.75	---	38.83	54.00	15.17	500.00	200.0	V	278.00	7
2499.50	---	43.81	54.00	10.19	500.00	200.0	V	197.00	7
2501.00	56.73	---	74.00	17.27	500.00	200.0	V	56.00	7



Radiates Emission from 3GHz to 18GHz

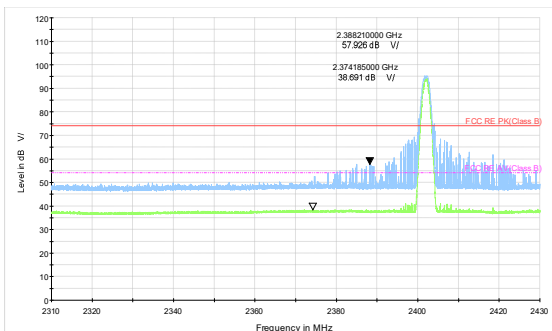
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3637.50	41.68	---	74.00	32.32	500.00	200.0	V	206.00	-7
3965.63	---	30.09	54.00	23.91	500.00	200.0	H	109.00	-4
5416.88	44.33	---	74.00	29.67	500.00	100.0	V	104.00	-2
5431.88	---	32.86	54.00	21.14	500.00	200.0	V	0.00	-2
6748.13	48.59	---	74.00	25.41	500.00	200.0	V	343.00	1
7284.38	---	37.52	54.00	16.48	500.00	100.0	V	75.00	2
8098.13	---	39.95	54.00	14.05	500.00	200.0	V	191.00	2
9112.50	50.23	---	74.00	23.77	500.00	200.0	V	337.00	5
11341.88	---	41.47	54.00	12.53	500.00	100.0	V	15.00	7
11703.75	53.03	---	74.00	20.97	500.00	200.0	H	22.00	7
13338.75	---	41.91	54.00	12.09	500.00	100.0	V	165.00	8
14126.25	54.32	---	74.00	19.68	500.00	100.0	H	310.00	9

1.2. Bluetooth LE

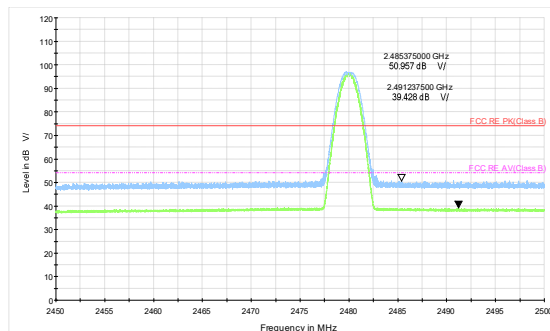
The following graphs display the maximum values of horizontal and vertical by software. Blue trace uses the peak detection, Green trace uses the average detection.

A symbol ($\text{dB } \mu\text{V/m}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)

After the pretest, Bluetooth LE (1M) was selected as the worst Mode for Bluetooth LE.



Bluetooth LE (1M) Channel 0 Peak+ Average



Bluetooth LE (1M) Channel 39 Peak+Average

Result of RE

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier. The Radiates Emission from 9kHz to 30MHz and 18GHz to 26.5GHz are more than 20dB below the limit are not reported.

After the pretest, Bluetooth LE (1M) was selected as the worst Mode for Bluetooth LE.

Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **A symbol (dB V/) in the test plot below means (dBμV/m)**
4. **The following graphs display the maximum values of coaxial and coplanar for 9k-30MHz; horizontal and vertical for above 30MHz by software.**
5. **For below 1GHz**

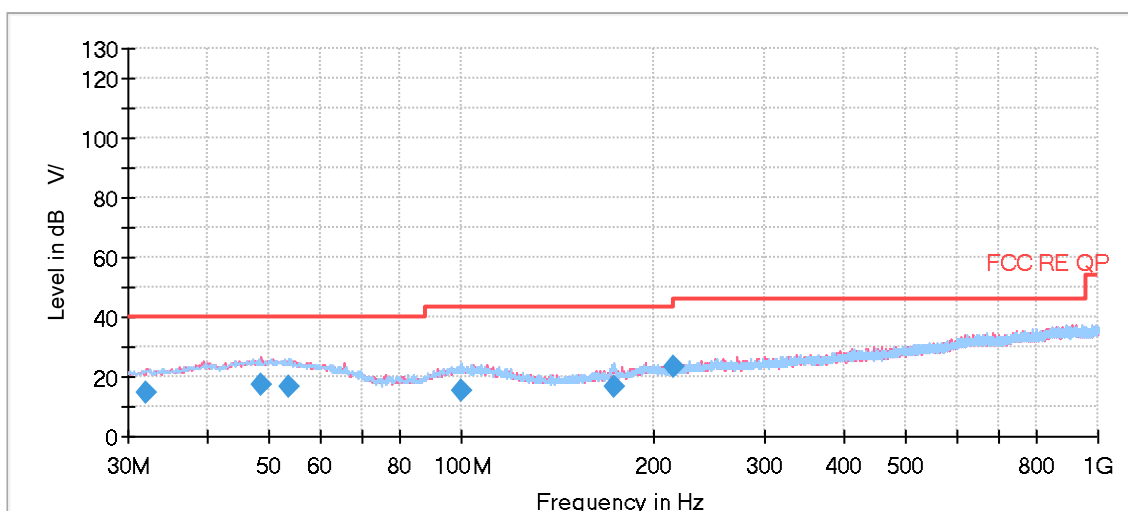
~ QP Level @Spectrum Overview H
 ~ QP Level @Spectrum Overview V
 ◆ QP Level @Final Results
 — QP Limit

For above 1GHz

~ PK Level @Spectrum Overview H
 ~ PK Level @Spectrum Overview V
 ◆ PK Level @Final Results
 — PK Limit
~ AVG Level @Spectrum Overview H
 ~ AVG Level @Spectrum Overview V
 ◆ AVG Level @Final Results
 — AVG Limit

Continuous TX mode:

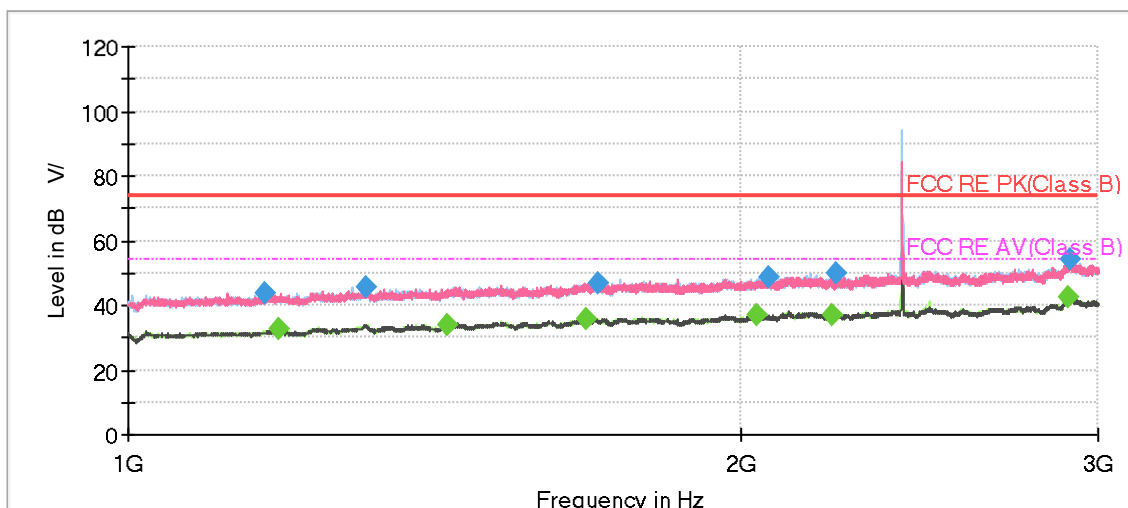
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels. The test data of the worst-case condition (**Bluetooth LE-Channel 19**) was recorded in this report.



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.056250	14.41	40.00	25.59	1000.0	125.0	V	4.0	17.5
48.471250	17.44	40.00	22.56	1000.0	125.0	V	59.0	21.2
53.648750	16.56	40.00	23.44	1000.0	113.0	H	15.0	20.9
99.803750	15.05	43.50	28.45	1000.0	106.0	H	96.0	19.1
174.002500	16.53	43.50	26.97	1000.0	125.0	H	168.0	20.2
215.997500	23.26	43.50	20.24	1000.0	100.0	V	66.0	18.6

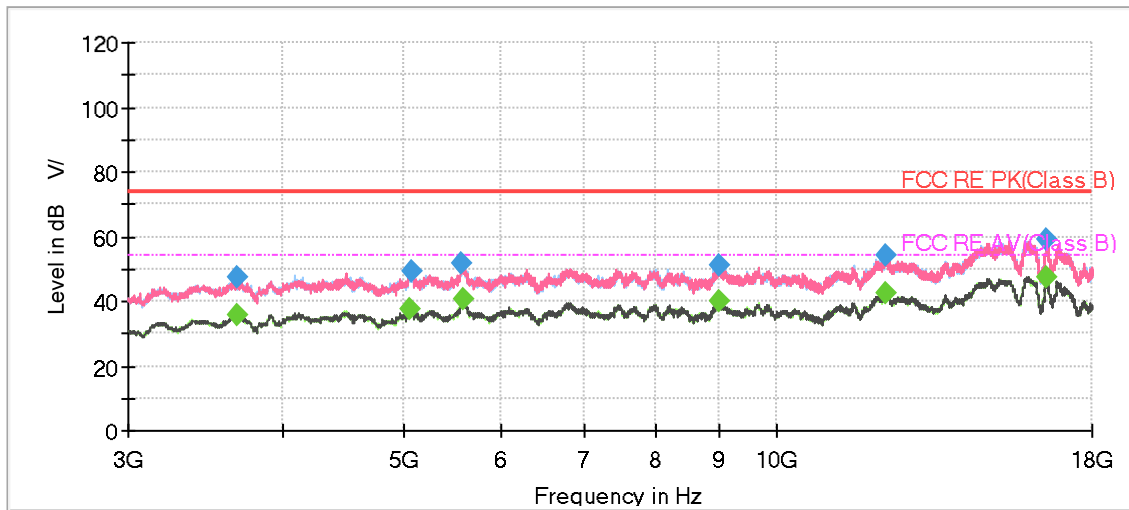
Bluetooth LE-Channel 0



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

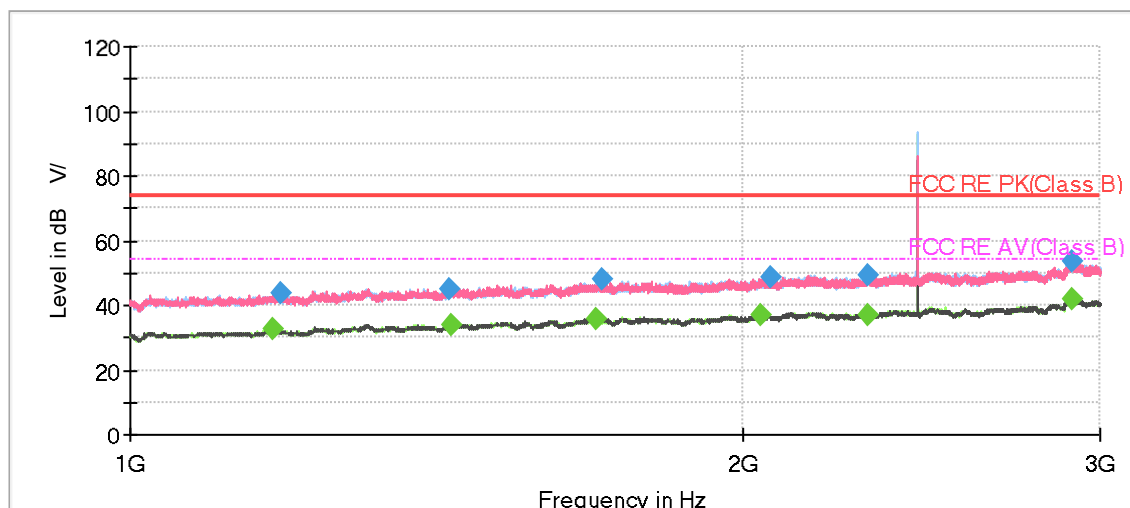
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1168.750000	43.64	---	74.00	30.36	500.0	200.0	V	307.0	-4.5
1185.250000	---	32.40	54.00	21.60	500.0	100.0	V	239.0	-3.9
1310.750000	45.68	---	74.00	28.32	500.0	200.0	V	307.0	-2.3
1434.250000	---	34.00	54.00	20.00	500.0	100.0	V	299.0	-1.9
1678.500000	---	35.63	54.00	18.37	500.0	100.0	V	105.0	0.4
1702.250000	47.05	---	74.00	26.95	500.0	200.0	H	104.0	0.4
2039.250000	---	37.17	54.00	16.83	500.0	200.0	H	61.0	2.4
2067.750000	48.64	---	74.00	25.36	500.0	100.0	H	246.0	2.1
2222.250000	---	36.90	54.00	17.10	500.0	200.0	H	262.0	3.1
2230.750000	49.98	---	74.00	24.02	500.0	200.0	H	19.0	3.1
2903.500000	---	42.18	54.00	11.82	500.0	200.0	V	354.0	8.5
2904.000000	54.17	---	74.00	19.83	500.0	200.0	H	284.0	8.5



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3676.875000	---	35.55	54.00	18.45	500.0	200.0	V	337.0	1.8
3680.625000	47.27	---	74.00	26.73	500.0	100.0	V	77.0	1.9
5056.875000	---	37.75	54.00	16.25	500.0	200.0	H	356.0	5.1
5090.625000	49.12	---	74.00	24.88	500.0	100.0	V	234.0	4.7
5574.375000	51.52	---	74.00	22.48	500.0	200.0	V	0.0	7.2
5596.875000	---	40.60	54.00	13.40	500.0	200.0	H	20.0	7.9
9000.000000	51.07	---	74.00	22.93	500.0	100.0	H	231.0	8.4
9003.750000	---	39.88	54.00	14.12	500.0	100.0	H	86.0	8.4
12270.000000	53.99	---	74.00	20.01	500.0	200.0	H	30.0	14.5
12281.250000	---	42.59	54.00	11.41	500.0	200.0	H	40.0	14.5
16545.000000	---	47.57	54.00	6.43	500.0	200.0	H	344.0	20.8
16548.750000	59.36	---	74.00	14.64	500.0	200.0	V	120.0	20.6

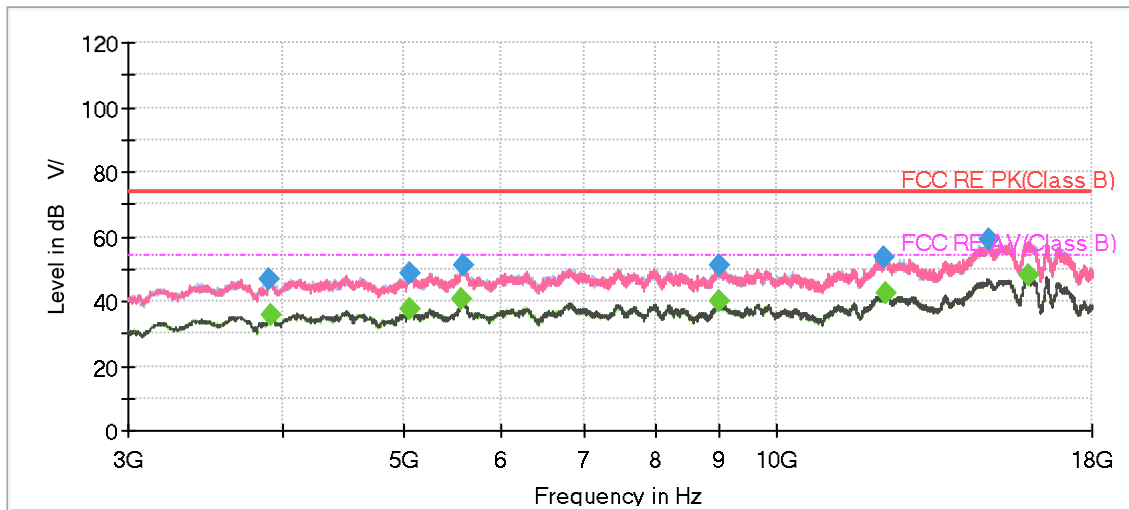
Bluetooth LE-Channel 19



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

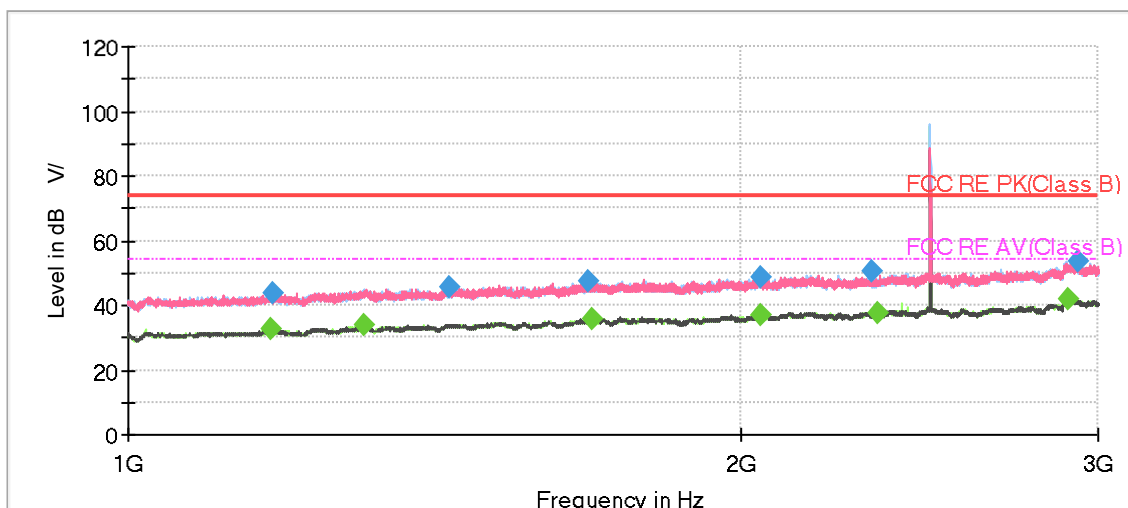
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1175.500000	---	32.32	54.00	21.68	500.0	200.0	V	341.0	-4.2
1186.250000	43.44	---	74.00	30.56	500.0	100.0	V	25.0	-4.0
1434.750000	45.12	---	74.00	28.88	500.0	200.0	V	324.0	-1.8
1440.500000	---	34.09	54.00	19.91	500.0	100.0	V	249.0	-1.7
1696.500000	---	35.63	54.00	18.37	500.0	200.0	V	357.0	0.3
1706.000000	47.88	---	74.00	26.12	500.0	100.0	H	67.0	0.4
2045.250000	---	37.11	54.00	16.89	500.0	100.0	V	283.0	2.5
2064.000000	48.51	---	74.00	25.49	500.0	100.0	H	230.0	2.2
2304.750000	49.40	---	74.00	24.60	500.0	200.0	V	139.0	3.5
2308.750000	---	37.08	54.00	16.92	500.0	200.0	H	92.0	3.5
2904.500000	---	42.10	54.00	11.90	500.0	200.0	V	232.0	8.5
2906.250000	53.53	---	74.00	20.47	500.0	200.0	V	0.0	8.5



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3903.750000	46.67	---	74.00	27.33	500.0	200.0	V	264.0	3.3
3909.375000	---	35.74	54.00	18.26	500.0	100.0	V	129.0	3.7
5060.625000	48.70	---	74.00	25.30	500.0	200.0	H	116.0	5.4
5062.500000	---	37.81	54.00	16.19	500.0	100.0	V	0.0	5.5
5581.875000	---	40.44	54.00	13.56	500.0	100.0	V	340.0	7.6
5595.000000	51.07	---	74.00	22.93	500.0	200.0	V	16.0	8.0
9001.875000	51.04	---	74.00	22.96	500.0	200.0	V	0.0	8.4
9003.750000	---	40.03	54.00	13.97	500.0	100.0	V	292.0	8.4
12225.000000	53.50	---	74.00	20.50	500.0	200.0	H	48.0	13.5
12281.250000	---	42.51	54.00	11.49	500.0	200.0	H	106.0	14.5
14865.000000	59.05	---	74.00	14.95	500.0	200.0	V	321.0	18.7
15997.500000	---	47.73	54.00	6.27	500.0	200.0	H	244.0	20.0

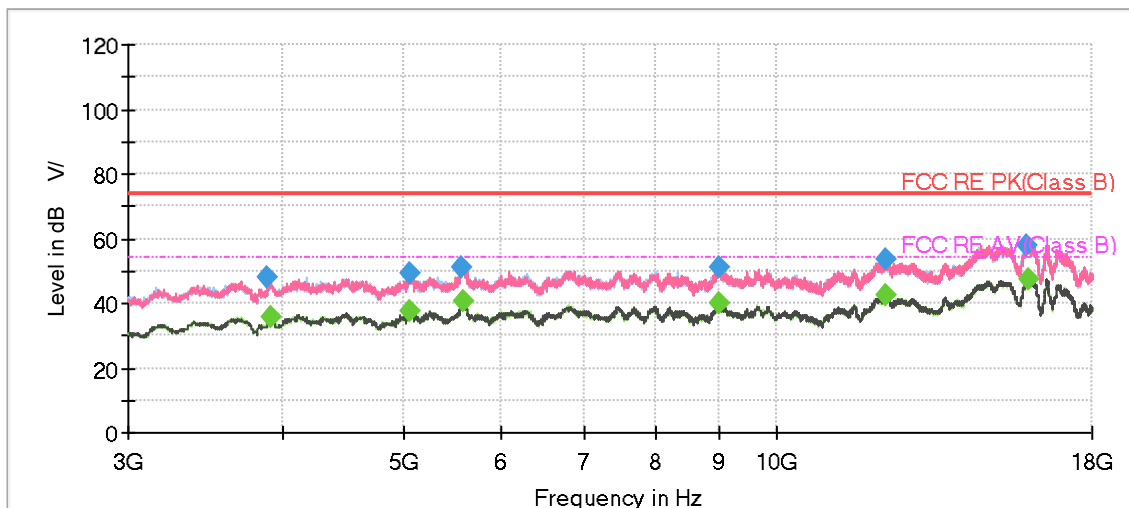
Bluetooth LE-Channel 39



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1175.500000	---	32.37	54.00	21.63	500.0	200.0	V	207.0	-4.2
1178.750000	43.55	---	74.00	30.45	500.0	100.0	V	342.0	-4.1
1307.000000	---	34.04	54.00	19.96	500.0	100.0	H	108.0	-2.1
1437.500000	45.84	---	74.00	28.16	500.0	200.0	V	324.0	-1.8
1685.250000	47.22	---	74.00	26.78	500.0	200.0	V	316.0	0.4
1692.500000	---	35.78	54.00	18.22	500.0	100.0	V	291.0	0.3
2046.000000	---	37.03	54.00	16.97	500.0	200.0	H	32.0	2.5
2049.750000	48.58	---	74.00	25.42	500.0	200.0	V	342.0	2.5
2320.500000	50.26	---	74.00	23.74	500.0	100.0	H	281.0	3.4
2338.000000	---	37.63	54.00	16.37	500.0	200.0	V	190.0	3.4
2901.250000	---	42.02	54.00	11.98	500.0	200.0	V	358.0	8.6
2930.500000	53.33	---	74.00	20.67	500.0	200.0	V	266.0	8.0



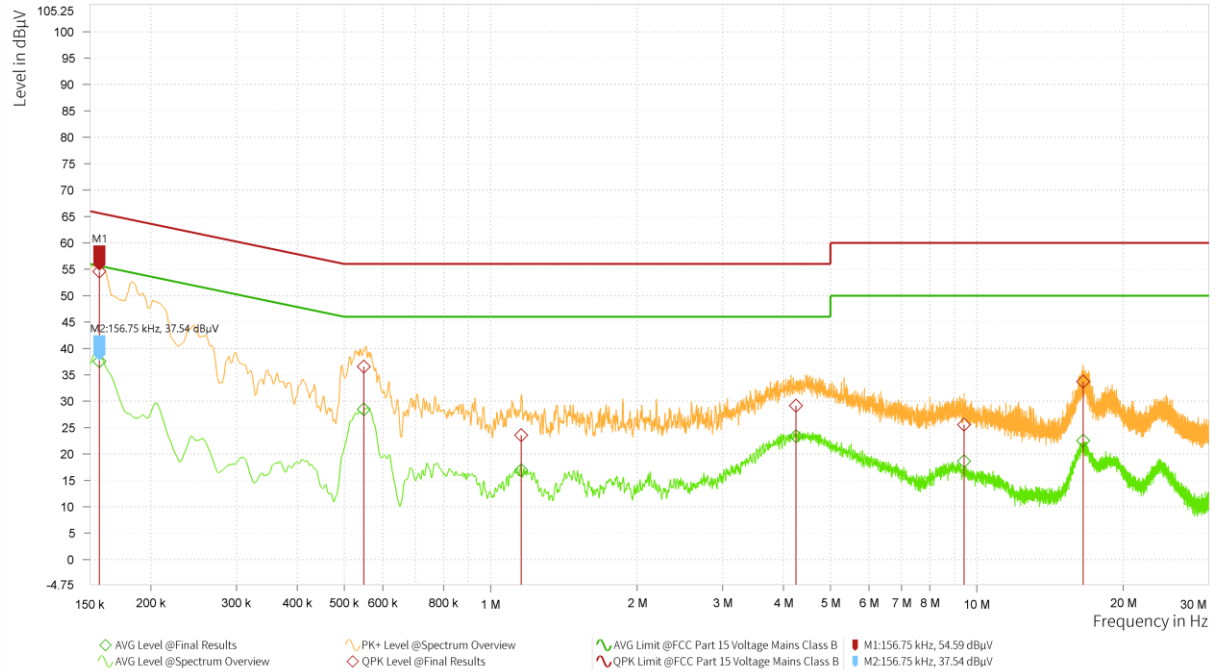
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3886.875000	47.70	---	74.00	26.30	500.0	100.0	V	24.0	1.8
3913.125000	---	35.76	54.00	18.24	500.0	200.0	H	5.0	3.4
5055.000000	---	37.75	54.00	16.25	500.0	100.0	V	195.0	5.0
5058.750000	49.17	---	74.00	24.83	500.0	100.0	V	168.0	5.2
5580.000000	51.31	---	74.00	22.69	500.0	200.0	H	291.0	7.5
5598.750000	---	40.40	54.00	13.60	500.0	100.0	V	0.0	7.8
8998.125000	---	40.08	54.00	13.92	500.0	100.0	H	69.0	8.4
9001.875000	50.81	---	74.00	23.19	500.0	200.0	V	24.0	8.4
12247.500000	53.60	---	74.00	20.40	500.0	100.0	H	232.0	14.0
12286.875000	---	42.62	54.00	11.38	500.0	200.0	V	335.0	14.4
15943.125000	58.14	---	74.00	15.86	500.0	200.0	H	336.0	19.5
15997.500000	---	47.51	54.00	6.49	500.0	200.0	H	5.0	20.0

2. Conducted Emission

2.1. Wi-Fi 2.4GHz

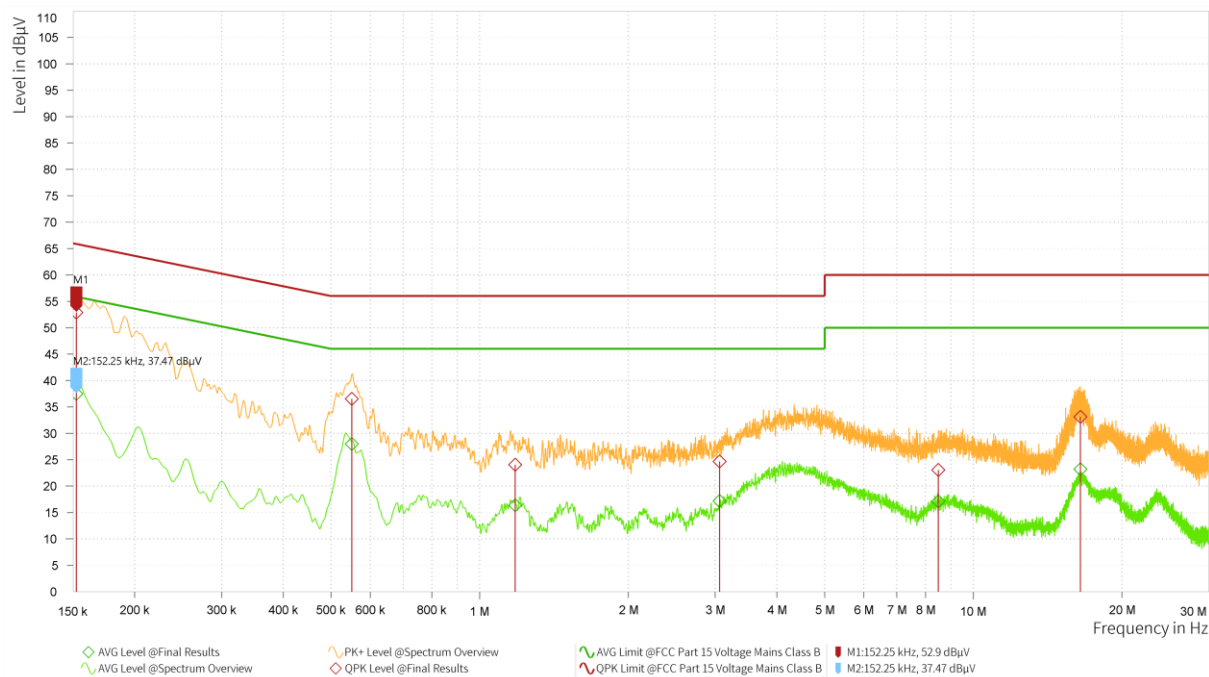
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition (**802.11ax HE40 CH9**) was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.157	54.59	65.63	11.05	37.54	55.63	18.10	20.90	L1	9.000	1.000
0.548	36.54	56.00	19.46	28.44	46.00	17.56	20.73	L1	9.000	1.000
1.156	23.57	56.00	32.43	16.92	46.00	29.08	20.05	L1	9.000	1.000
4.245	29.19	56.00	26.81	23.38	46.00	22.62	19.42	L1	9.000	1.000
9.413	25.54	60.00	34.46	18.64	50.00	31.36	19.41	L1	9.000	1.000
16.539	33.71	60.00	26.29	22.51	50.00	27.49	19.55	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



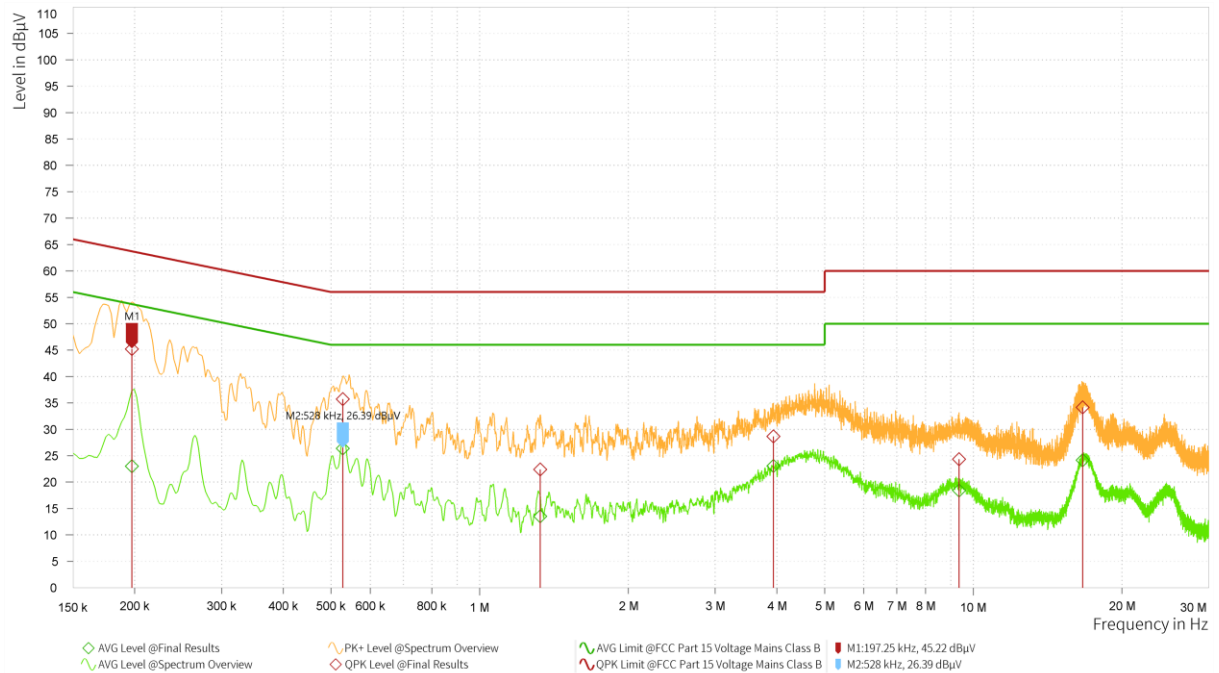
Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.152	52.90	65.88	12.98	37.47	55.88	18.41	20.91	N	9.000	1.000
0.551	36.55	56.00	19.45	27.96	46.00	18.04	20.74	N	9.000	1.000
1.181	24.07	56.00	31.93	16.38	46.00	29.62	20.04	N	9.000	1.000
3.062	24.68	56.00	31.32	17.18	46.00	28.82	19.49	N	9.000	1.000
8.498	23.03	60.00	36.97	17.12	50.00	32.88	19.42	N	9.000	1.000
16.485	33.12	60.00	26.88	23.19	50.00	26.81	19.58	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

2.2. Bluetooth LE

During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case condition (**Bluetooth LE-Channel 19**) was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.197	45.22	63.73	18.50	22.99	53.73	30.73	21.02	L1	9.000	1.000
0.528	35.70	56.00	20.30	26.39	46.00	19.61	20.75	L1	9.000	1.000
1.327	22.37	56.00	33.63	13.53	46.00	32.47	19.94	L1	9.000	1.000
3.935	28.66	56.00	27.34	23.03	46.00	22.97	19.43	L1	9.000	1.000
9.359	24.35	60.00	35.65	18.41	50.00	31.59	19.41	L1	9.000	1.000
16.658	34.17	60.00	25.83	24.15	50.00	25.85	19.55	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.152	52.83	65.88	13.05	27.45	55.88	28.43	20.91	N	9.000	1.000
0.247	43.08	61.87	18.79	24.17	51.87	27.70	20.99	N	9.000	1.000
0.499	33.13	56.02	22.89	23.01	46.02	23.01	20.79	N	9.000	1.000
1.421	24.74	56.00	31.26	16.75	46.00	29.25	19.89	N	9.000	1.000
4.524	30.11	56.00	25.89	24.35	46.00	21.65	19.42	N	9.000	1.000
17.221	32.83	60.00	27.17	22.62	50.00	27.38	19.61	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz